

GOVERNMENT OF HIMACHAL PRADESH

STATE ROADS PROJECT

AGREEMENT NO.

**NATIONAL COMPETITIVE BIDDING**

**(CIVIL WORKS)**

NAME OF WORK **Periodic Maintenance of Sainj Chopal Nerwa Shallu Road**  
**Package No. HP-SH-08-219** (Sub Head: Providing and Laying  
20mm thick open-graded premix surfacing, Profile Correction  
Course, Repair to C.D. Works, Retaining walls and Breast walls,  
Side Drain and Parapets in PCC and road side furniture and fixing  
sign boards and & Bioengineering measures)  
i. Section from KM 38/0 to KM 90/0

PERIOD OF SALE OF *BIDDING DOCUMENT* : FROM 26-11-2009 To 29-12-2009

*TIME AND DATE OF PRE-BID CONFERENCE* : DATE 11-12-2009 TIME 1100 HOURS

LAST DATE AND TIME FOR RECEIPT OF BIDS : DATE 30-12-2009 TIME 1100 HOURS

TIME AND DATE OF OPENING OF BIDS : DATE 30-12-2009 TIME 1130 HOURS

PLACE OF OPENING OF BIDS : Address is: Chief Engineer (South Zone)  
: H.P.P.W.D. Nirman Bhawan, Shimla (H.P.)

OFFICER INVITING BIDS : CHIEF ENGINEER (South Zone)  
HPPWD, Nirman Bhawan,  
Nigam Vihar Shimla-171002.  
Tel No.: 0177-2620474,  
Fax: 0177-2629319.

**INVITATION FOR BID  
(IFB)**

GOVERNMENT OF HIMACHAL PRADESH  
STATE ROADS PROJECT

INVITATIONS FOR BIDS (IFB)

**NATIONAL COMPETITIVE BIDDING**

Loan #: 4860 – IN

Bid No.:HPSRP/SZ/PM /III

Dated: Nov. 2009

1. The Government of Himachal Pradesh through Government of India has received a loan from the International Bank for Reconstruction & Development towards the cost of Himachal Pradesh State Roads Project and intends to apply a part of the funds to cover eligible payments under the contracts for periodical maintenance works as detailed below. The Government of Himachal Pradesh has designated the Himachal Pradesh Roads & Other Infrastructure Development Corporation (HPRIDC) as the implementing agency for the said Himachal Pradesh State Roads Project. Bidding is open to all bidders from eligible source countries as defined in the IBRD Guidelines for Procurement. Bidders from India should, however, be registered with the Government of Himachal Pradesh or other State Governments/Government of India, or State/Central Government Undertakings. Bidders are advised to note the minimum qualification criteria specified in Clause 4 of the Instructions to Bidders to qualify for the award of the contract.

2. The Chief Engineer (South Zone) HPPWD, Shimla-2 on behalf of Governor of Himachal Pradesh and acting as an officer/ representative of HPRIDC invites sealed item rate bids for the construction of works detailed in the table. The bidders may submit bids for any or all of the following works as detailed in the table. Bidders bidding for one or more contract stated on this IFB to form a package will so indicate in the bid together with any discounts offered for the award of more than one contract.

3. Bidding documents (and additional copies) may be purchased from the office of Chief Engineer (South Zone) HPPWD, Nirman Bhawan, Shimla-171002 from November 26, 2009 to December 29, 2009 up to 1700 Hours for a non-refundable fee (three sets) as indicated, in the form of Demand Draft on any Scheduled bank payable at Shimla in favour of Executive Engineer, Shimla Division No.1 HPPWD. Shimla Interested bidders may obtain further information at the same address. Bidding documents requested by mail will be dispatched by registered/speed post on payment of an extra amount of Rupees 500 (Rupees Five Hundred only). The HPRIDC or HPPWD will not be held responsible for the postal delay if any, in the delivery of the documents or non-receipt of the same.

4. Bids must be accompanied by bid security of the amount specified for the work in the table below, drawn in favour of concerned Executive Engineer and payable at Kasauli,Chopal, Solan, Rajgrah and Sangrah respectively. Bid security will have to be in any one of the forms as specified in the bidding document and shall have to be valid for 45 days beyond the validity of the bid.

5. Bids must be delivered to Chief Engineer (South Zone) HPPWD, Nirman Bhawan, Shimla-171002 on or before 1100 hours on December 30, 2009 and will be opened on the same day at 1130 hours, in the presence of the bidders who wish to attend. If the office happens to be closed on the date of receipt of the bids as specified, the bids will be received and opened on the next working day at the same time and venue.

6. A pre-bid meeting will be held on *11-12-2009 TIME 1100 HOURS*. in the office of Chief Engineer (South Zone) HPPWD, Nirman Bhawan, Shimla-171002 to clarify the issues and to answer questions on any matter that may be raised at that stage as stated in Clause 9.2 of 'Instructions to Bidders' of the bidding document.

7. Other details can be seen in the bidding documents. Copy of the bid documents are also available on the HPRIDC website : <http://himachal.nic.in/hpridc/>

**Table**

S.No	Package No.	Name of Work for periodic maintenance	Name of Division.	Approx. value of work (Rs in lacs)	Bid Security (Rs in lacs)	Cost of document (Rs.)	Period of Completion (in months) including rainy season
1	HP-MDR-06-218	Parwanoo-Kasauli-Dharampur-Subthru road (Km 24/225 to 29/460)	Kasauli	125.49	2.51	1,250.00	12 months
2	HP-SH-08-219	Sainj Chopal Nerwa Shallu road (Km 38/000 to 90/000)	Chopal	456.64	9.13	1,250.00	12 months
3	HP-SH-06-220	Chaila Sainj Yashwant nagar oachgahat sultanpur kumarhatti road (Km 67/800 to 86/300)	Solan	445.14	8.90	1,250.00	12 months
4	HP-MDR-02-222	Solan meenus road (i)(Km. 17/0 to 24/345 SH-06 and (ii)) 24/345 to 48/000 MDR-02.	Rajgarh	355.01	7.10	1,250.00	12 months
5	HP-MDR-01-223	Nahan Dadahu - Haripurdhar-Kupvi road (Km 58/00 to 84/00)	Sangrah	258.42	5.17	1,250.00	12 months

**Chief Engineer (South Zone),  
HPPWD, Shimla  
Tel No.: 0177-2620474,  
Fax: 0177-2629319.  
E-mail-pwd-hp@nic.in**

**SECTION 1: INSTRUCTIONS TO BIDDERS**  
**(ITB)**

## Section 1: Instructions to Bidders

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## A. General

### 1. Scope of Bid

- 1.1 The Chief Engineer (South Zone) HPPWD, Shimla on behalf of the Governor of Himachal Pradesh and acting as an officer/ representative of HPRIDC (referred to as Employer in these documents) invites bids for the construction/periodic maintenance of works (as defined in these documents and referred to as "the works") detailed in the table given in IFB. The bidders may submit bids for any or all of the works detailed in the table given in IFB.
- 1.2 The successful bidder will be expected to complete the works by the intended completion date specified in the Contract data.

### 2. Source of Funds

- 2.1 The Government of India has received a loan from the International Bank for Reconstruction & Development (hereinafter interchangeably called "the Bank") towards the cost of Himachal Pradesh State Roads Project and intends to apply a part of the funds to cover eligible payments under the contract for the Works. Payments by the Bank will be made only at the request of the borrower and upon approval of the Bank in accordance with the *Loan Agreement*, and will be subject in all respects to the terms and conditions of that Agreement. Except as the Bank may specifically otherwise agree, no party other than the borrower shall derive any rights from the *Loan Agreement* or have any rights to the loan proceeds.
- 2.2 The loan agreement prohibits a withdrawal from the loan account for the purpose of any payment to persons or entities, or for any import of goods, if such payment or import, to the knowledge of the Bank, is prohibited by a decision of the United Nations Security Council, taken under Chapter VII of the Charter of the United Nations.

### 3. Eligible Bidders

- 3.1 This *Invitation for Bids* is open to all bidders from the eligible countries as defined under the *IBRD Guidelines for Procurement*. Any materials, equipment, and services to be used in the performance of the Contract shall have their origin in the eligible source countries.
- 3.2 All bidders shall provide in Section 2, Forms of Bid and Qualification Information, a statement that the Bidder is not associated, nor has been associated in the past, directly or indirectly, with the Consultant or any other entity that has prepared the design, specifications, and other documents for the Project or being proposed as Project Manager for the Contract. A firm that has been engaged by the Borrower to provide consulting services for the preparation or supervision of the works, and any of its affiliates, shall not be eligible to bid.
- 3.3 Government-owned enterprises in the Employer's country may only participate if they are legally and financially autonomous, operate under commercial law and are not a dependent agency of the Borrower or Sub-borrower.
- 3.4 Bidders shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by the Bank in accordance with sub-clause 37.1.

### 4. Qualification of the Bidder

- 4.1 All bidders shall provide in Section 2, Forms of Bid and Qualification Information, a preliminary description of the proposed work method and schedule, including drawings and charts, as necessary.
- 4.2 In the event that Pre-qualification of potential bidders has been undertaken, only bids from pre-qualified bidders will be considered for award for Contract. These qualified bidders should submit with their bids any information updating their original prequalification applications or, alternatively, confirm in their bids that the originally submitted prequalification information remains essentially correct as of date of bid submission. The update or confirmation should be provided in Section 2.
- 4.3 If the Employer has not undertaken prequalification of potential bidders, all bidders shall include the following information and documents with their bids in Section 2:

- (a) copies of original documents defining the constitution or legal status, place of registration, and principal place of business; written power of attorney of the signatory of the Bid to commit the Bidder;
- (b) total monetary value of construction work performed for each of the last five years;
- (c) experience in works of a similar nature and size for each of the last five years, and details of works under way or contractually committed; and clients who may be contacted for further information on those contracts;
- (d) major items of construction equipment proposed to carry out the Contract;
- (e) qualifications and experience of key site management and technical personnel proposed for the Contract;
- (f) reports on the financial standing of the Bidder, such as profit and loss statements and auditor's reports for the past five years;
- (g) evidence of adequacy of working capital for this contract (access to line (s) of credit and availability of other financial resources);
- (h) authority to seek references from the Bidder's bankers;
- (i) information regarding any litigation or arbitration resulting from contracts executed by the Bidder in the last five years or currently under execution. The information shall include the names of the parties concerned, the disputed amount, cause of litigation, and matter in dispute;
- (j) proposals for subcontracting components of the Works which in aggregate add to more than 20 percent of the Bid Price (*for each, the qualifications and experience of the identified sub-contractor in the relevant field should be annexed. No vertical splitting of the work for subcontracting is acceptable*); and
- (k) the proposed methodology and program of construction including Environmental Management Plan backed with equipment planning and deployment, duly supported with broad calculations and quality control procedures proposed to be adopted, justifying their capability of execution and completion of the work as per technical specifications within the stipulated period of completion as per milestones.

#### **4.4 Bids from joint ventures are not acceptable**

#### **4.5 A. To qualify for award of the contract, each bidder in its name should have in the last five years i.e. 2004-2005, 2005-2006, 2006-2007, 2007-2008, 2008-2009:**

- (a) Achieved, in at least two financial years, a minimum annual financial turnover (in all classes of civil engineering construction works only) of Rs.914 lacs.
- (b) Satisfactorily completed (not less than 80% of contract value), as a prime contractor, (or as sub-contractor duly certified by the Employer/main contractor), at least **one similar work** of value not less than Rupees 366 lacs.

(c) executed in any one year, the following minimum quantities of work:

- Bituminous works		
i) Open Graded Pre-Mix surfacing:		121331 Sqm
ii) Bituminous Macadam		115.00 Cum
iii) Concrete work		1450.00 Cum

(@) at 2009-10 price level. Financial turnover and cost of completed works of previous years shall be given weightage of 5% per year based on rupee value to bring them to 2009-10 price level.

**4.5 B. Each bidder should further demonstrate:**

(a) availability (either owned or leased or by procurement against mobilization advances) of the following key and critical equipment for this work:

<b>Name of the Equipment</b>	<b>Nos.</b>	<b>Capacity</b>
TAR BOILER	1 No.	
HOT MIX PLANT(40-60 TPH) (Drum Mix/Batch mix)	1 No.	
PAVER FINISHER	1 No.	
AIR COMPRESSOR	2 No.	
WATER TANKER (WITH SPRINKLER)	2No.	
STATIC ROAD ROLLER	2 No.	
TRUCK / TIPPER / TRACTOR (With facility for covering)	4 No.	
Vibratory Road Roller	2 No.	
Bitumen Pressure Distributor	1 No.	

**Field testing laboratory**

<b>Name of the Equipment</b>	<b>Quantity</b>
Apparatus for testing earth	1 Set
Sieve Set (As per IRC; MORT&H Specifications)	2
Spatula	4
Aggregate Impact Value Machine With Accessories	1
Flakiness Gauge as per IS 2386 – I	2
3 M Straight Edge with Wedge	1
Softening text apparatus complete Accessories	1
Bitumen Extraction Machinery etc. complete i/c Benzene	1
Bitumen Penetration Machine with Accessories	1
<b>Ductilometer</b>	<b>1</b>
Viscometer	1
Sand replacement Cylinder with Accessories	1
Electronic Balance:	
200 Gms	1
5 Kg.	1
Thermo-meters	10
Enamelled Tray (Small Medium & Big) 6 Each	
Hot Plate	1
Camber Boards	4
Super-elevation Boards	2
1 Kg capacity balance	1 No
Level measuring Instruments	1 No

Note: (i) The bidder must produce the documentary evidence in support of his owning, hiring of the above equipment

(ii) The list of the equipment for field laboratory is indicative only and not exhaustive. Any additional laboratory equipment required for carrying out the necessary quality control test on materials to be used on the work shall be arranged by the contractor and nothing extra shall be paid on this account.

Based on the studies, carried out by the Engineer the minimum suggested major equipment to attain the completion of works in accordance with the prescribed construction schedule are shown in the above list.

The bidders should, however, undertake their own studies and furnish with their bid, a detailed construction planning and methodology supported with layout and necessary drawings and calculations (detailed) as stated in clause 4.3 (k) above to allow the employer to review their proposals. The numbers, types and capacities of each plant/equipment shall be shown in the proposals along with the cycle time for each operation for the given production capacity to match the requirements.

- (b) availability for this work of a Project Manager with no less than five years' experience in construction of similar civil engineering works and other key personnel with adequate experience as required; and
- (c) liquid assets and/or availability of credit facilities of no less than Rupees 115 lacs in the format given in Section 2.

**(Credit lines/letter of credit/certificates from Banks for meeting the funds requirement etc. for this work)**

- 4.5 C. To qualify for a package of contracts made up of this and other contracts for which bids are invited in the IFB, the bidder must demonstrate having experience and resources sufficient to meet the aggregate of the qualifying criteria for the individual contracts.
- 4.6 Sub-Contractor's experience and resources shall not be taken into account in determining the bidder's compliance with the qualifying criteria except to the extent stated in 4.5 A(b) above.

- 4.7 Bidders who meet the minimum qualification criteria will be qualified only if their available bid capacity is more than the total bid value. The available bid capacity will be calculated as under:

$$\text{Assessed Available Bid capacity} = (A * N * 1.5 - B)$$

Where

- A = Maximum value of civil engineering works executed in any one year during the last five years (updated to the 2009-2010 price level) taking into account the completed as well as works in progress.
- N = Number of years prescribed for completion of the works for which bids are invited. (period up to 6 months to be taken as half-year and more than 6 months as one year).
- B = Value, at 2009-2010 price level, of existing commitments and on-going works to be completed during the next one year.

**Note:** *The statements showing the value of existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Engineer in charge, not below the rank of an Executive Engineer or equivalent.*

- 4.8 Even though the bidders meet the above qualifying criteria, they are subject to be disqualified if they have:

- made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements; and/or
- Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.; and/or
- participated in the previous bidding for the same work and had quoted unreasonably high bid prices and could not furnish rational justification to the employer.

## 5. One Bid per Bidder

- 5.1 Each bidder shall submit only one bid for one contract. A bidder who submits or participates in more than one Bid (other than as a subcontractor or in cases of alternatives that have been permitted or requested) will cause all the proposals with the Bidder's participation to be disqualified.

## 6. Cost of Bidding

- 6.1 The bidder shall bear all costs associated with the preparation and submission of his Bid, and the Employer will in no case be responsible and liable for those costs.

## 7. Site visit

- 7.1 The Bidder, at the Bidder's own responsibility and risk is encouraged to visit and examine the Site of Works and its surroundings and obtain all information that may be necessary for preparing the Bid and entering into a contract for construction/maintenance of the Works. The costs of visiting the Site shall be at the Bidder's own expense.

## B. Bidding Documents

### 8. Content of Bidding Documents

- 8.1 The set of bidding documents comprises the documents listed in the table below and addenda issued in accordance with Clause 10:

Invitation for Bids

Section	1 Instruction to Bidders
	2 Forms of Bid and Qualification Information
	3 Conditions of Contract
	4 Contract Data
	5 Specifications
	6 Drawings
	7 Bills of Quantity
	8 Forms of Securities

- 8.2 The bidder shall submit two sets of completed bid documents.

### 9. Clarification of Bidding Documents

- 9.1 A prospective bidder requiring any clarification of the bidding documents may notify the Employer in writing or by cable (hereinafter "cable" includes telex and facsimile) at the Employer's address indicated in the invitation to bid. The Employer will respond to any request for clarification which he received earlier than 15 days prior to the deadline for submission of bids. Copies of the Employer's response will be forwarded to all purchasers of the bidding documents, including a description of the enquiry but without identifying its source.

#### 9.2 Pre-bid meeting

- 9.2.1 The bidder or his official representative is invited to attend a pre-bid meeting which will take place at the Office of Chief Engineer (South Zone) HPPWD, Nirman Bhawan, Shimla-2, on 20-11-2009 at 1100 Hours
- 9.2.2 The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.
- 9.2.3 The bidder is requested to submit any questions in writing or by cable to reach the Employer not later than one week before the meeting.
- 9.2.4 Minutes of the meeting, including the text of the questions raised (without identifying the source of enquiry) and the responses given will be transmitted without delay to all purchasers of the bidding documents. Any modification of the bidding documents listed in Sub-Clause 8.1 which may become necessary as a result of the pre-bid meeting shall be made by the Employer exclusively through the issue of an Addendum pursuant to Clause 10 and not through the minutes of the pre-bid meeting.
- 9.2.5 Non-attendance at the pre-bid meeting will not be a cause for disqualification of a bidder.

### 10. Amendment of Bidding Documents

- 10.1 Before the deadline for submission of bids, the Employer may modify the bidding documents by issuing addenda.

- 10.2 Any addendum thus issued shall be part of the bidding documents and shall be communicated in writing or by cable to all the purchasers of the bidding documents. Prospective bidders shall acknowledge receipt of each addendum by cable to the Employer.
- 10.3 To give prospective bidders reasonable time in which to take an addendum into account in preparing their bids, the Employer shall extend as necessary the deadline for submission of bids, in accordance with Sub-Clause 20.2 below.

### C. Preparation of Bids

#### 11. Language of the Bid : English

- 11.1 All documents relating to the bid shall be in the English language.

#### 12. Documents comprising the Bid

- 12.1 The bid submitted by the bidder shall comprise the following:

- (a) The Bid (in the format indicated in Section 2).
- (b) Bid Security;
- (c) Priced Bill of Quantities;
- (d) Qualification Information Form and Documents;

and any other materials required to be completed and submitted by bidders in accordance with these instructions. The documents listed under Sections 2, 4 and 7 of Sub-Clause 8.1 shall be filled in without exception.

- 12.2 Bidders bidding for this contract together with other contracts stated in the IFB to form a package will so indicate in the bid together with any discounts offered for the award of more than one contract.

#### 13. Bid Prices

- 13.1 The contract shall be for the whole works as described in Sub-Clause 1.1, based on the priced Bill of Quantities submitted by the Bidder.

- 13.2 The bidder shall fill in rates and prices and line item total (both in figures and words) for all items of the Works described in the **drawings and specifications and listed in the Bill of Quantities** alongwith total bid price (both in figures and words). *Items for which no rate or price is entered by the bidder will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities.* Corrections, if any, shall be made by crossing out, initialing, dating and rewriting.

- 13.3 All duties, taxes, and other levies payable by the contractor under the contract, or for any other cause shall be included in the total Bid Price submitted by the Bidder.

Note: *"Bidders may like to ascertain availability of excise/custom duty exemption benefits available in India to the contracts financed under World Bank loan/credits. They are solely responsible for obtaining such benefits which they have considered in their bid and in case of failure to receive such benefits for reasons whatsoever, the employer will not compensate the bidder (contractor). Where the bidder has quoted taking into account such benefits, he must give all information required for issue of certificates in terms of such notifications as per form attached to the Qualification Information in the bid. To the extent the employer determines the quantity indicated therein are reasonable keeping in view the bill of quantities, construction programme and methodology, the certificates will be issued and no subsequent changes will be permitted. No certificate will be issued for items where no quantity/capacity of equipment is indicated in the statement. The bids which do not conform to the above provisions will be treated as non responsive and rejected. Any delay in procurement*

*of the construction equipment /machinery/goods as a result of the above shall not be a cause for granting any extension of time."*

**13.4** The rates and prices quoted by the bidder are subject to adjustment during the performance of the Contract in accordance with the provisions of Clause 47 of the Conditions of Contract.

**14. Currencies of Bid and Payment**

**14.1** The unit rates and prices shall be quoted by the bidder entirely in Indian Rupees.

**15. Bid Validity**

**15.1** Bids shall remain valid for a period not less than ninety days after the deadline date for bid submission specified in Clause 20. A bid valid for a shorter period shall be rejected by the Employer as non-responsive.

**15.2** In exceptional circumstances, prior to expiry of the original time limit, the Employer may request that the bidders may extend the period of validity for a specified additional period. The request and the bidders' responses shall be made in writing or by cable. A bidder may refuse the request without forfeiting his bid security. A bidder agreeing to the request will not be required or permitted to modify his bid, but will be required to extend the validity of his bid security for a period of the extension, and in compliance with Clause 16 in all respects.

**15.3 Deleted**

**15.4 Deleted**

**16. Bid Security**

**16.1** The Bidder shall furnish, as part of his Bid, a Bid security in the amount as shown in column 4 of the table of IFB for this particular work. This bid security shall be in favour of Executive Engineer, Chopal Division, and HPPWD Chopal and may be in one of the following forms:

- A bank guarantee issued by a nationalized / scheduled bank located in India or a reputable bank located abroad in the form given in Section 8; or
- **Bank draft or Letter of Credit in favour of Executive Engineer, Chopal Division, HPPWD Chopal, payable at Chopal.**

- 16.2** Bank guarantees issued as surety for the bid shall be valid for 45 days beyond the validity of the bid.
- 16.3** Any bid not accompanied by an acceptable Bid Security and not secured as indicated in Sub-Clauses 16.1 and 16.2 above shall be rejected by the Employer as non-responsive.
- 16.4** The Bid Security of unsuccessful bidders will be returned within 28 days of the end of the bid validity period specified in Sub-Clause 15.1.
- 16.5** The Bid Security of the successful bidder will be discharged when the bidder has signed the Agreement and furnished the required Performance Security.
- 16.6** The Bid Security may be forfeited
- (a) if the Bidder withdraws the Bid after Bid opening during the period of Bid validity;
  - (b) if the Bidder does not accept the correction of the Bid Price, pursuant to Clause 27; or
  - (c) in the case of a successful Bidder, if the Bidder fails within the specified time limit to
    - (i) sign the Agreement; or
    - (ii) furnish the required Performance Security.

## **17. Alternative Proposals by Bidders**

- 17.1** Bidders shall submit offers that comply with the requirements of the bidding documents, including the basic technical design as indicated in the drawing and specifications. Alternatives will not be considered.

## **18. Format and Signing of Bid**

- 18.1** The Bidder shall prepare one original and one copy of the documents comprising the bid as described in Clause 12 of these *Instructions to Bidders*, bound with the volume containing the Form of Bid, and clearly marked "ORIGINAL" and "COPY" as appropriate. In the event of discrepancy between them, the original shall prevail.
- 18.2** The original and copy of the Bid shall be typed or written in indelible ink and shall be signed by a person or persons duly authorized to sign on behalf of the Bidder, pursuant to Sub-Clauses 4.3. All pages of the bid where entries or amendments have been made shall be initialed by the person or persons signing the bid.
- 18.3** The Bid shall contain no alterations or additions, except those to comply with instructions issued by the Employer, or as necessary to correct errors made by the bidder, in which case such corrections shall be initialed by the person or persons signing the bid.
- 18.4** The Bidder shall furnish information as described in the Form of Bid on commissions or gratuities, if any, paid or to be paid to agents relating to this Bid, and to contract execution if the Bidder is awarded the contract.

## D. Submission of Bids

### 19. Sealing and Marking of Bids

19.1 The Bidder shall seal the original and copy of the Bid in separate envelopes, duly marking the envelopes as "ORIGINAL" and "COPY". These envelopes (called as inner envelopes) shall then be put inside one outer envelope.

19.2 The inner and outer envelopes shall

(a) be addressed to the Employer at the following address:

Chief Engineer (South Zone) HPPWD, Nirman Bhawan, Shimla-2

(b) bear the following identification:

- Bid for .....[name of contract]
- Bid Reference No.....[insert number]
- DO NOT OPEN BEFORE.....[time and date for bid opening, per Clause 23]

19.3 In addition to the identification required in Sub-Clause 19.2, the inner envelopes shall indicate the name and address of the bidder to enable the bid to be returned unopened in case it is declared late, pursuant to Clause 21.

19.4 If the outer envelope is not sealed and marked as above, the Employer will assume no responsibility for the misplacement or premature opening of the bid.

### 20. Deadline for Submission of the Bids

20.1 Bids must be received by the Employer at the address specified above no later than 07 December, 2009 up to 1100 Hours. In the event of the specified date for the submission of bids declared a holiday for the Employer, the Bids will be received upto the appointed time on the next working day.

20.2 The Employer may extend the deadline for submission of bids by issuing an amendment in accordance with Clause 10, in which case all rights and obligations of the Employer and the bidders previously subject to the original deadline will then be subject to the new deadline.

### 21. Late Bids

21.1 Any Bid received by the Employer after the deadline prescribed in Clause 20 will be returned unopened to the bidder.

### 22. Modification and Withdrawal of Bids

22.1 Bidders may modify or withdraw their bids by giving notice in writing before the deadline prescribed in Clause 20.

22.2 Each Bidder's modification or withdrawal notice shall be prepared, sealed, marked, and delivered in accordance with Clause 18 & 19, with the outer and inner envelopes additionally marked "MODIFICATION" or "WITHDRAWAL", as appropriate.

22.3 No bid may be modified after the deadline for submission of Bids.

22.4 Withdrawal or modification of a Bid between the deadline for submission of bids and the expiration of the original period of bid validity specified in Clause 15.1 above or as extended pursuant to Clause 15.2 may result in the forfeiture of the Bid security pursuant to Clause 16.

- 22.5 Bidders may offer discounts to, or modify the prices of their Bids only by submitting Bid modifications in accordance with this clause, or included in the original Bid submission.

### **E. Bid Opening and Evaluation**

#### **23. Bid Opening**

- 23.1 The Employer will open all the Bids received (except those received late), including modifications made pursuant to Clause 22, in the presence of the Bidders or their representatives who choose to attend at 1130 hours on the date and the place specified in Clause 20. In the event of the specified date of Bid opening being declared a holiday for the Employer, the Bids will be opened at the appointed time and location on the next working day.
- 23.2 Envelopes marked "WITHDRAWAL" shall be opened and read out first. Bids for which an acceptable notice of withdrawal has been submitted pursuant to Clause 22 shall not be opened. Subsequently all envelopes marked "Modification" shall be opened and the submissions therein read out in appropriate detail.
- 23.3 The Bidders' names, the Bid prices, the total amount of each Bid and of any alternative Bid (if alternatives have been requested or permitted), any discounts, Bid modifications and withdrawals, the presence or absence of Bid security, and such other details as the Employer may consider appropriate, will be announced by the Employer at the opening. No bid shall be rejected at bid opening except for the late bids pursuant to Clause 21. Bids [and modifications] sent pursuant to Clause 22 that are not opened and read out at bid opening will not be considered for further evaluation regardless of the circumstances. Late and withdrawn bids will be returned unopened to bidders.
- 23.4 The Employer shall prepare minutes of the Bid opening, including the information disclosed to those present in accordance with Sub-Clause 23.3.

#### **24. Process to Be Confidential**

- 24.1 Information relating to the examination, clarification, evaluation, and comparison of Bids and recommendations for the award of a contract shall not be disclosed to Bidders or any other persons not officially concerned with such process until the award to the successful Bidder has been announced. Any effort by a Bidder to influence the Employer's processing of Bids or award decisions may result in the rejection of his Bid.

#### **25. Clarification of Bids**

- 25.1 To assist in the examination, evaluation, and comparison of Bids, the Employer may, at his discretion, ask any Bidder for clarification of his Bid, including breakdowns of the unit rates. The request for clarification and the response shall be in writing or by cable, but no change in the price or substance of the Bid shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the Bids in accordance with Clause 27.
- 25.2 Subject to sub-clause 25.1, no Bidder shall contact the Employer on any matter relating to its bid from the time of the bid opening to the time the contract is awarded. If the Bidder wishes to bring additional information to the notice of the Employer, it should do so in writing.

- 
- 25.3 Any effort by the Bidder to influence the Employer in the Employer's bid evaluation, bid comparison or contract award decisions may result in the rejection of the Bidders' bid.

## **26. Examination of Bids and Determination of Responsiveness**

- 26.1** Prior to the detailed evaluation of Bids, the Employer will determine whether each Bid (a) meets the eligibility criteria defined in Clause 3; (b) has been properly signed; (c) is accompanied by the required securities and; (d) is substantially responsive to the requirements of the Bidding documents.
- 26.2** A substantially responsive Bid is one which conforms to all the terms, conditions, and specifications of the Bidding documents, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the Works; (b) which limits in any substantial way, inconsistent with the Bidding documents, the Employer's rights or the Bidder's obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other Bidders presenting substantially responsive Bids.
- 26.3** If a Bid is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation.

## **27. Correction of Errors**

- 27.1** Bids determined to be substantially responsive will be checked by the Employer for any arithmetic errors. Errors will be corrected by the Employer **as follows**:
- where there is a discrepancy between the rates in figures and in words, the rate in words will govern; and
  - Where there is a discrepancy between the unit rate and the line item total resulting from Multiplying the unit rate by the quantity, the unit rate as quoted will govern.
- 27.2** The amount stated in the Bid will be adjusted by the Employer in accordance with the above procedure for the correction of errors and, with the concurrence of the Bidder, shall be considered as binding upon the Bidder. If the Bidder does not accept the corrected amount the Bid will be rejected, and the Bid security may be forfeited in accordance with Sub-Clause 16.6 (b).

## **28. Deleted**

## **29. Evaluation and Comparison of Bids**

- 29.1** The Employer will evaluate and compare only the Bids determined to be substantially responsive in accordance with Clause 26.
- 29.2** In evaluating the Bids, the Employer will determine for each Bid the evaluated Bid Price by adjusting the Bid Price as follows:
- (a) making any correction for errors pursuant to Clause 27; or
  - (b) making an appropriate adjustments for any other acceptable variations, deviations; and
  - (c) making appropriate adjustments to reflect discounts or other price modifications offered in accordance with Sub Clause 22.5.
- 29.3** The Employer reserves the right to accept or reject any variation, deviation, or alternative offer. Variations, deviations, and alternative offers and other factors which are in excess of the requirements of the Bidding documents or otherwise result in unsolicited benefits for the Employer shall not be taken into account in Bid evaluation.

**29.4** The estimated effect of the price adjustment conditions under Clause 47 of the *Conditions of Contract*, during the period of implementation of the Contract, will not be taken into account in Bid evaluation.

**29.5** If the Bid of the successful Bidder is seriously unbalanced in relation to the Engineer's estimate of the cost of work to be performed under the contract, the Employer may require the Bidder to produce detailed price analyses for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the Employer may require that the amount of the performance security set forth in Clause 34 be increased at the expense of the successful Bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful Bidder under the Contract.

**30. Deleted**

## **F. Award of Contract**

### **31. Award Criteria**

**31.1** Subject to Clause 32, the Employer will award the Contract to the Bidder whose Bid has been determined to be substantially responsive to the Bidding documents and who has offered the lowest evaluated Bid Price, provided that such Bidder has been determined to be (a) eligible in accordance with the provisions of Clause 3, and (b) qualified in accordance with the provisions of Clause 4.

**31.2** If, pursuant to Clause 12.2 this contract is being let alongwith other contracts, the lowest evaluated Bid Price will be determined when evaluating this contract in conjunction with other contracts to be awarded concurrently, taking into account any discounts offered by the bidders for the award of more than one contract.

### **32. Employer's Right to accept any Bid and to reject any or all Bids**

**32.1** Notwithstanding Clause 31, the Employer reserves the right to accept or reject any Bid, and to cancel the Bidding process and reject all Bids, at any time prior to the award of Contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds for the Employer's action.

### **33. Notification of Award and Signing of Agreement**

**33.1** The Bidder whose Bid has been accepted will be notified of the award by the Employer prior to expiration of the Bid validity period by cable, telex or facsimile confirmed by registered letter. This letter (hereinafter and in the *Conditions of Contract* called the "Letter of Acceptance") will state the sum that the Employer will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").

- 33.2 The notification of award will constitute the formation of the Contract, subject only to the furnishing of a performance security in accordance with the provisions of Clause 34.
- 33.3 The Agreement will incorporate all agreements between the Employer and the successful Bidder. It will be signed by the Employer and kept ready for signature of the successful bidder in the office of employer within 28 days following the notification of award along with the Letter of Acceptance. Within 21 days of receipt, the successful Bidder will sign the Agreement and deliver it to the Employer.
- 33.4 Upon the furnishing by the successful Bidder of the Performance Security, the Employer will promptly notify the other Bidders that their Bids have been unsuccessful.

#### 34. Performance Security

- 34.1 Within 21 days of receipt of the Letter of Acceptance, the successful Bidder shall deliver to the Employer a Performance Security in any of the forms given below for an amount equivalent to 5% of the Contract price plus additional security for unbalanced Bids in accordance with Clause 29.5 of ITB and Clause 52 of Conditions of Contract:

- a bank guarantee in the form given in Section 8; or

- Bank draft, in favour of Executive Engineer, Chopal Division, HPPWD Chopal, payable at Chopal.

- 34.2 If the performance security is provided by the successful Bidder in the form of a Bank Guarantee, it shall be issued either (a) at the Bidder's option, by a Nationalized/Scheduled Indian bank or (b) by a foreign bank located in India and acceptable to the Employer or (c) by a foreign bank through a correspondent Bank in India [scheduled or nationalized].
- 34.3 Failure of the successful bidder to comply with the requirements of sub-clause 34.1 shall constitute a breach of contract, cause for annulment of the award, forfeiture of the bid security, and any such other remedy the Employer may take under the contract, and the Employer may resort to awarding the contract to the next ranked bidder.

#### 35. Advance Payment and Security

- 35.1 The Employer will provide an Advance Payment on the Contract Price as stipulated in the Conditions of Contract, subject to maximum amount, as stated in the Contract Data.

#### 36. Adjudicator

- 36.1 The Employer proposes that Er. T.L. Sharma be appointed as Adjudicator under the Contract, at a daily fee of Rs.2500 plus reimbursable expenses as admissible to the grade I officer of HP Govt. If the Bidder disagrees with this proposal, the Bidder should so state in the Bid. If in the Letter of Acceptance, the Employer has not agreed on the appointment of the Adjudicator, the Adjudicator shall be appointed by Secretary General, Indian Roads Congress New Delhi at the request of either party.

#### 37. Fraud and Corruption:

- 37.1 It is the Bank's policy to require that Borrowers (including beneficiaries of Bank loans), as well as Bidders, Suppliers, and Contractors and their subcontractors under Bank-financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts<sup>1</sup>. In pursuance of this policy, the Bank:

- (a) defines, for the purposes of this provision, the terms set forth below as follows :
- (i) "corrupt practice"<sup>2</sup> is the offering, giving, receiving or soliciting directly or indirectly, of anything of value to influence improperly the actions of another party;

<sup>1</sup> In this context, any action taken by a bidder, supplier, contractor, or a sub-contractor to influence the procurement process or contract execution for undue advantage is improper.

<sup>2</sup> "another party" refers to a public official acting in relation to the procurement process or contract execution]. In this context, "public official" included World Bank staff and employees of other organizations taking or reviewing procurement decisions.

- (ii) “fraudulent practice”<sup>3</sup> is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party obtain a financial or other benefit or to avoid an obligation;
- (iii) “collusive practices”<sup>4</sup> is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;
- (iv) “coercive practices”<sup>5</sup> is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;
- (v) “obstructive practice” is
  - (aa) deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a Bank investigation into allegations of a corrupt, fraudulent, coercive or collusive practice, and / or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or
  - (bb) acts intended to materially impede the exercise of the Bank’s inspection and audit rights provided for under sub-clause 37.1 (e) below.
  - (b) will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the contract in question;
  - (c) will cancel the portion of the loan allocated to a contract if it determines at any time that representatives of the Borrower or of a beneficiary of the loan were engaged in corrupt, fraudulent, collusive or coercive practices during the selection process or the execution of the contract, without the Borrower having taken timely and appropriate action satisfactory to the Bank to remedy the situation.
  - (d) will sanction a firm or individual, including declaring the them ineligible, either indefinitely or for a stated period of time, to be awarded a Bank-financed contract if at any time determines that they have, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for, or in executing, a Bank-financed contract; and
  - (e) will have the right to require a provision be included in Bidding Documents and in contracts financed by the Bank loan, requiring Bidders, Suppliers, Contractors and Consultants to permit the Bank to inspect their accounts and records and other documents relating to the bid submission and contract performance, and have them audited by auditors appointed by the Bank.

**37.2** Furthermore, Bidders shall be aware of the provision stated in sub-clause 23.2 and sub-clause 59.2 of the Conditions of Contract.

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<sup>3</sup> a “party” refers to a public official; the terms “benefit” and “obligation” related to the procurement process or contract execution; and the “act or omission” is intended to influence the procurement process or contract execution.

<sup>4</sup> “parties” refers to participants in the procurement process (including public officials) attempting to establish bid prices at artificial, non competitive levels.

<sup>5</sup> a “party” refers to a participant in the procurement process or contract execution.

**SECTION 2: FORMS OF BID, QUALIFICATION INFORMATION AND LETTER OF ACCEPTANCE**

**Table of Forms:**

- **CONTRACTOR'S BID**
- **QUALIFICATION INFORMATION**
- **LETTER OF ACCEPTANCE**
- **NOTICE TO PROCEED WITH THE WORK**
- **AGREEMENT FORM**

**Contractor's Bid**

Description of the Works:

**Periodic Maintenance of Sainj Chopal Nerwa Shallu Road  
Package No. HP-SH-08** (Sub Head: Providing and Laying 20mm thick open-graded premix surfacing, Profile Correction Course, Repair to C.D. Works, Retaining walls and Breast walls, Side Drain and Parapets in PCC and road side furniture and fixing sign boards and & Bioengineering measures)  
ii. Section from KM 38/0 to KM 90/0

**BID:**

**Package No. HP-SH-08**

To : The Chief Engineer (South Zone)  
Address : HP PWD, Nirman Bhawan, Shimla-2

GENTLEMEN,

Having examined the bidding documents including addendum, we offer to execute the Works described above in accordance with the Conditions of Contract, Specifications, Drawings and Bill of Quantities accompanying this Bid for the Contract Price of \_\_\_\_\_ <sup>3</sup> [in figures] (\_\_\_\_\_ ) [in letters].

The advance Payment required is: Rupees \_\_\_\_\_.

We accept the appointment of \_\_\_\_\_ as the Adjudicator.  
(OR)

We do not accept the appointment of \_\_\_\_\_ as the Adjudicator and propose instead that \_\_\_\_\_ be appointed as Adjudicator whose daily fees and biographical data are attached.

This Bid and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any Bid you receive.

We hereby certify that we have taken steps to ensure that no person acting for us or on behalf will engage in bribery.

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

<u>Name and address of agent</u>	<u>Amount</u>	<u>Purpose of Commission or gratuity</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

(if none, state "none")

- 1 To be filled in by the Employer before issue of the Bidding Documents.
- 2 To be filled in by the Employer before issue of the Bidding Documents.
- 3 To be filled in by the Bidder, together with his particulars and date of submission at the bottom of the Form of Bid.

We hereby confirm that this Bid complies with the Eligibility, Bid Validity and Bid Security required by the Bidding documents.

Yours faithfully,

Authorized Signature:

Name & Title of Signatory: \_\_\_\_\_

Name of Bidder : \_\_\_\_\_

Address : \_\_\_\_\_

### Qualification Information

The information to be filled in by the Bidder in the following pages will be used for purposes of post qualification as provided for in Clause 4 of the Instructions to Bidders. This information will not be incorporated in the Contract.

**1. For Individual Bidders**

1.1 Constitution or legal status of Bidder  
*[Attach copy]*

Place of registration: \_\_\_\_\_

Principal place of business: \_\_\_\_\_

Power of attorney of signatory of Bid  
*[Attach]*

1.2 Total value of Civil Engineering construction work executed and payments received in the last five years (in Rs. lacs) β

2004-2005 \_\_\_\_\_  
2005-2006 \_\_\_\_\_  
2006-2007 \_\_\_\_\_  
2007-2008 \_\_\_\_\_  
2008-2009 \_\_\_\_\_

1.3.1 Work performed as prime contractor (in the same name) on works of a similar nature over the last five years. i.e.2004-2005 to 2008-2009.

<u>Project Name</u>	<u>Name of the Employer *</u>	<u>Descrip-tion of work</u>	<u>Contract No.</u>	<u>Value of contract (Rs. Lacs)</u>	<u>Date of issue of work order</u>	<u>Stipulated period of completion</u>	<u>Actual date of completion*</u>	<u>Remarks explaining reasons for delay and work completed</u>

\* Attach certificate(s) from the Engineer(s)-in-Charge  
β Attach certificate from Chartered Accountant

1.3.2 Quantities of work executed as prime contractor (in the same name and style) in the last five years:  
i.e. 2004-2005 to 2008-2009.

Year	Name of the Work	Name of the Employer*	Quantity of work performed (cum) @			Open Graded Premix carpet	Remarks * (indicate contract Ref.)
			Bituminous Macadam	Cement Concrete	Stone masonry		
2004-2005							
2005-2006							
2006-2007							
2007-2008							
2008-2009							

\* Attach certificate(s) from the Engineer(s)-in-Charge

@ The item of work for which data is requested should tally with that specified in ITB clause 4.5A(c).

1.4 Information on Bid Capacity (works for which bids have been submitted and works which are yet to be completed) as on the date of this bid.

(A) Existing commitments and on-going works:

Description of Work	Place & State	Contract No & Date	Name & Address of Employer	Value of Contract (Rs. in lacs)	Stipulated period of completion	Value of * works remaining to be completed (Rs. lacs)	Anticipated Date of completion
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

(B) Works for which bids already submitted:

Description of Work	Place & State	Name & Address of Employer*	Estimated Value of Works (Rs. Lacs)	Stipulated period of completion	Date when decision is expected	Remarks, if any
(1)	(2)	(3)	(4)	(5)	(6)	(7)

\* Attach certificate(s) from the Engineer(s)-in-Charge

1.5 The following items of Contractor's Equipment are essential for carrying out the Works. The Bidder should list all the information requested below. Refer also to Sub Clause 4.3 (d) of the Instructions to Bidders.

Item of Equipment	Requirement		Availability Proposals			Remarks (From whom to be purchased)
	No.	Capacity	Owned/leased/ to be procured	Nos./ capacity	Age/ Condition	
<b>PERIODIC MAINTENANCE WORKS</b>						
TAR BOILER	1					
HOT MIX PLANT (40-60TPH) Drum Mix/ Batch Mix	1					
PAVER FINISHER	1					
AIR COMPRESSOR	2					
WATER TANKER (WITH SPRINKLER)	2					
STATIC ROAD ROLLER	2					
TRUCK / TIPPER / TRACTOR (with facility for covering)	4					
Vibratory Road Roller	2					
Bitumen Pressure Distributor	1					
<b>FIELD TESTING LABORATORY</b>						
Apparatus for Testing Earth	1					
Sieve Set (As per IRC MORTH)	2					
Spatula	4					
Aggregate Impact Value Machine with Accessories	1					
Flakiness Gauge as per IS 2386 – I	2					
3 M Straight Edge with Wedge	1					
Softening test apparatus complete accessories	1					
Bitumen Extraction Machinery etc. complete including benzene	1					
Bitumen Penetration Machine with accessories	1					
<b>Ductilometer</b>	<b>1</b>					
Viscometer	1					
Sand replacement Cylinder with accessories	1					
<b>Electronic Balance:</b>						
200 Gms	1					
5 Kg.	1					
Thermo-metres	10					
Enamelled Tray (Small, Medium & Big)	6 Each					
Hot Plate	1					
Camber Boards	4					

Super-elevation Boards	2					
1 Kg Capacity balance	1					
Level Measuring instrument	1					

1.6 Qualifications and experience of key personnel proposed for administration and execution of the Contract. Attach biographical data. Refer also to Sub Clause 4.3 (e) and 4.5 (B) (b) of instructions to Bidders and Sub Clause 9.1 of the Conditions of Contract.

A. Technical Personnel:

Position	Name	Qualifications	Years of experience (general)	Years of experience in the proposed position
Site Engineer		Degree in Civil engineering or equivalent or Diploma in Civil engineering	Seven  Ten	
Jr. Site Engineer		Degree in Civil engineering or equivalent or Diploma in Civil engineering	Four  Seven	
Foreman		Diploma holder or ITI certificate holder	Nine  Twelve	

B. For field-testing laboratory:

Position	Name	Qualifications	Years of experience (general)	Years of experience in the proposed position
JE/Lab Technician		Diploma in civil Engg. or B.Sc.	Two Years in Highway material.	
Lab Assistant		I.T.I Diploma Holder or Matric with 5 Year experience	Two Years in Highway material.	

1.7 Proposed subcontracts and firms involved. [Refer ITB Clause 4.3 (j)]

Sections of the Works	Value of subcontract	Sub-contractor(name and address)	Experience in similar work

1.8 Financial reports for the last five years: balance sheets, profit and loss statements, auditors' reports (in case of companies/corporation), etc. List them below and attach copies.

.....

.....

.....

.....

1.9 Evidence of access to financial resources to meet the qualification requirements: cash in hand, lines of credit, etc. List them below and attach copies of support documents *[sample format attached]*.

.....

.....

.....

.....

1.10. Name, address, and telephone, telex, and fax numbers of the Bidders' bankers who may provide references if contacted by the Employer.

.....  
 .....  
 .....  
 .....

1.11 Information on litigation history in which the Bidder is involved.

Other party(ies)	Employer	Cause of dispute	Amount involved	Remarks showing present status

1.12 Statement of compliance under the requirements of Sub Clause 3.2 of the instructions to Bidders.

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

1.13 Proposed work method and schedule. The Bidder should attach descriptions, drawings and charts as necessary to comply with the requirements of the Bidding documents. [Refer ITB Clause 4.1 and 4.3 (k)].

2. Joint Ventures - Deleted

3. Additional Requirements

3.1 Bidders should provide any additional information required to fulfill the requirements of Clause 4 of the Instructions to the Bidders, if applicable.

\_\_\_\_\_

**SAMPLE FORMAT FOR EVIDENCE OF ACCESS TO OR AVAILABILITY OF CREDIT  
FACILITIES\* – CLAUSE 4.5 [B] [c] OF ITB**

**BANK CERTIFICATE**

This is to certify that M/s. .... is a reputed company with a good financial standing.

If the contract for the work, namely **Periodic Maintenance of Sainj Chopal Nerwa Shallu Road km. 38/0 to 90/0** under State Roads Project Package No.HP-SH-08 is awarded to the above firm, we shall be able to provide overdraft/credit facilities to the extent of Rs. 115.00 lacs to meet their working capital requirements for executing the above contract.

\_\_ Sd. \_\_

Name of Bank

Senior Bank Manager

Address of the Bank

(Name of the Project)

**Periodic Maintenance of SHs/MDRs under Himachal Pradesh State Roads Project**(Declaration regarding customs/excise duty exemption for materials/  
Construction equipment bought for the work)

(Bidder's Name and Address)

The Chief Engineer (South Zone),  
HP, P.W.D Shimla (HP).

Dear Sir:

Re: *[Name of Work]* **Periodic Maintenance of Sainj Chopal Nerwa Shallu Road km. 38/0 to 90/0** under  
State Roads Project Package No.HP-SH-08

Certificate for Import/Procurement of Goods/Construction Equipment

- We confirm that we are solely responsible for obtaining customs/excise duty waivers which we have considered in our bid and in case of failure to receive such waivers for reasons whatsoever, the Employer will not compensate us.
- We are furnishing below the information required by the Employer for issue of the necessary certificates in terms of the Government of India Central Excise Notification No. 108/95 and Customs Notification No. 85/99.

3. The goods/construction equipment for which certificates are required are as under:

Items	Make/ Brand Name	Capacity [where applicable]	Quantity	Value	State whether it will be procured locally or imported [if so from which country]	Remarks regarding justification for the quantity and their usage in works.
<b>Goods</b>						
[a] Bitumen						
[b] Others						
<b>Construction Equipment</b>						
[a]						
[b]						
[c]						
[d]						

- We agree that no modification to the above list is permitted after bids are opened.
- We agree that the certificate will be issued only to the extent considered reasonable by the Employer for the work, based on the Bill of Quantities and the construction programme and methodology as furnished by us alongwith the bid.

6. We confirm that the above goods will be exclusively used for the construction of the above work and construction equipment will not be sold or otherwise disposed of in any manner for a period of five years from the date of acquisition.

Date: \_\_\_\_\_  
Place: \_\_\_\_\_

(Signature) \_\_\_\_\_  
(Printed Name) \_\_\_\_\_  
(Designation) \_\_\_\_\_  
(Common Seal) \_\_\_\_\_

**Letter of Acceptance**  
(letterhead paper of the Employer)

\_\_\_\_\_ [date]

To: \_\_\_\_\_ [name and  
address of the Contractor]

Dear Sirs,

This is to notify you that your Bid dated \_\_\_\_\_ for execution of the  
\_\_\_\_\_ [name of the contract and  
identification number, as given in the Instructions to Bidders] for the Contract Price of Rupees \_\_\_\_\_  
\_\_\_\_\_ (\_\_\_\_\_) [amount in words and  
figures], as corrected and modified in accordance with the Instructions to Bidders<sup>1</sup> is hereby accepted by  
our Agency.

We accept/do not accept that \_\_\_\_\_ be appointed as the Adjudicator<sup>2</sup>.

We note that as per bid, you do not intend to subcontract any component of work.

[OR]

We note that as per bid, you propose to employ M/s. .... as sub-contractor  
for executing .....

*[Delete whichever is not applicable].*

You are hereby requested to furnish Performance Security, plus additional security for unbalanced bids in terms of ITB clause 29.5, in the form detailed in Para 34.1 of ITB for an amount of Rs. \_\_\_\_\_ within 21 days of the receipt of this letter of acceptance valid upto 28 days from the date of expiry of Defects Liability Period i.e. upto ..... and sign the contract, failing which action as stated in Para 34.3 of ITB will be taken.

We have reviewed the construction methodology submitted by you alongwith the bid in response to ITB Clause 4.3[k] and our comments are given in the attachment. You are requested to submit a revised Program including environmental management plan as per Clause 27 of General Conditions of Contract within 14 days of receipt of this letter.

Yours faithfully,

Authorized Signature

Name and Title of Signatory

Name of Agency

<sup>1</sup> Delete "corrected and" or "and modified" if only one of these actions applies. Delete "as corrected and modified in accordance with the Instructions to Bidders" if corrections or modifications have not been effected.

<sup>2</sup> To be used only if the Contractor disagrees in his Bid with the Adjudicator proposed by the Employer in the "Instructions to Bidders."

**Issue of Notice to proceed with the work**  
(Letterhead of the Employer)

\_\_\_\_\_ (date)

To

\_\_\_\_\_ (name and address of the Contractor)

\_\_\_\_\_

\_\_\_\_\_

Dear Sirs:

Pursuant to your furnishing the requisite security as stipulated in ITB clause 34.1 and signing of the contract agreement for the construction/periodic maintenance works of \_\_\_\_\_ road from \_\_\_\_\_ Km \_\_\_\_\_ to \_\_\_\_\_ in \_\_\_\_\_ District under State Roads Project Package No. \_\_\_\_\_ @ a Bid Price of Rs. \_\_\_\_\_, you are hereby instructed to proceed with the execution of the said works in accordance with the contract documents.

Yours faithfully,

Executive Engineer,  
Chopal Division,  
HPPWD Chopal, HP

## Agreement Form

### Agreement

This agreement, made the \_\_\_\_\_ day of \_\_\_\_\_ 2009, between Executive Engineer, \_\_\_\_\_ Division, HPPWD, \_\_\_\_\_, the authorized representative, on behalf of the Governor of Himachal Pradesh and acting as an officer/ representative of HPRIDC [name and address of Employer] (hereinafter called "the Employer)" of the one part and \_\_\_\_\_ [name and address of contractor] (hereinafter called "the Contractor" of the other part).

Whereas the Employer is desirous that the Contractor execute "periodic maintenance works of \_\_\_\_\_ road from \_\_\_\_\_ Km \_\_\_\_\_" [ name and identification number of Contract] (hereinafter called "the Works") and the Employer has accepted the Bid by the Contractor for the execution and completion of such Works and the remedying of any defects therein, at a contract price of Rs.....

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying the defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
4. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
  - i) Letter of Acceptance;
  - ii) Notice to proceed with the works;
  - iii) Contractor's Bid;
  - iv) Contract Data;
  - v) Conditions of contract (including Special Conditions of Contract);
  - vi) Specifications;
  - vii) Drawings;
  - viii) Bill of Quantities; and
  - ix) Any other document listed in the Contract Data as forming part of the contract.

In witness whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

The Common Seal of \_\_\_\_\_

was hereunto affixed in the presence of:

Signed, Sealed and Delivered by the said \_\_\_\_\_

\_\_\_\_\_

in the presence of:

Binding Signature of Employer \_\_\_\_\_

Binding Signature of Contractor \_\_\_\_\_

**SECTION 3: CONDITIONS OF CONTRACT**

## Conditions of Contract

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## Conditions of Contract

### A. General

#### 1. Definitions

- 1.1 Terms which are defined in the Contract Data are not also defined in the Conditions of Contract but keep their defined meanings. Capital initials are used to identify defined terms.

The **Adjudicator** is the person appointed jointly by the Employer and the Contractor to resolve disputes in the first instance, as provided for in Clauses 24 and 25. The name of the Adjudicator is defined in the Contract Data.

**Bill of Quantities** means the priced and completed Bill of Quantities forming part of the Bid.

**Compensation Events** are those defined in Clause 44 hereunder.

The **Completion Date** is the date of completion of the Works as certified by the Engineer in accordance with Sub Clause 55.1.

The **Contract** is the contract between the Employer and the Contractor to execute, complete and maintain the Works. It consists of the documents listed in Clause 2.3 below.

The **Contract Data** defines the documents and other information which comprise the Contract.

The **Contractor** is a person or corporate body whose Bid to carry out the Works has been accepted by the Employer.

The **Contractor's Bid** is the completed Bidding document submitted by the Contractor to the Employer.

The **Contract Price** is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.

**Days** are calendar days; **months** are calendar months.

A **Defect** is any part of the Works not completed in accordance with the Contract.

The **Defects Liability Period** is the period named in the Contract Data and calculated from the Completion Date.

The **Employer** is the party who will employ the Contractor to carry out the Works.

The **Engineer** is the person named in the Contract Data (or any other competent person appointed and notified to the contractor to act in replacement of the Engineer) who is responsible for supervising the execution of the works and administering the Contract.

**Equipment** is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works.

The **Initial Contract Price** is the Contract Price listed in the Employer's Letter of Acceptance.

The **Intended Completion Date** is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is specified in the Contract Data. The Intended Completion Date may be revised only by the Engineer by issuing an extension of time.

**Materials** are all supplies, including consumables, used by the contractor for incorporation in the Works.

**Plant** is any integral part of the Works which is to have a mechanical, electrical, electronic or chemical or biological function.

The **Site** is the area defined as such in the Contract Data.

**Site Investigation Reports** are those which were included in the Bidding documents and are factual interpretative reports about the surface and sub-surface conditions at the site.

**Specification** means the Specification of the Works included in the Contract and any modification or addition made or approved by the Engineer.

The **Start Date** is given in the Contract Data. It is the date when the Contractor shall commence execution of the works. It does not necessarily coincide with any of the Site Possession Dates.

A **Subcontractor** is a person or corporate body who has a Contract with the Contractor to carry out a part of the work in the Contract which includes work on the Site.

**Temporary Works** are works designed, constructed, installed, and removed by the Contractor which are needed for construction or installation of the Works.

A **Variation** is an instruction given by the Engineer which varies the Works.

The **Works** are what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the Contract Data.

## 2. Interpretation

2.1 In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Engineer will provide instructions clarifying queries about the Conditions of Contract.

2.2 If sectional completion is specified in the Contract Data, references in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion Date apply to any Section of the Works (other than references to the Completion Date and Intended Completion date for the whole of the Works).

2.3 The documents forming the Contract shall be interpreted in the following order of priority:

- (1) Agreement
- (2) Letter of Acceptance, notice to proceed with the works
- (3) Contractor's Bid
- (4) Contract Data

- (5) Conditions of Contract including Special Conditions of Contract
- (6) Specifications
- (7) Drawings
- (8) **Bill of Quantities** and
- (9) any other document listed in the Contract Data as forming part of the Contract.

### **3. Language and Law**

- 3.1 The language of the Contract and the law governing the Contract are stated in the Contract Data.

### **4. Engineer's Decisions**

- 4.1 Except where otherwise specifically stated, the Engineer will decide contractual matters between the Employer and the Contractor in the role representing the Employer.

### **5. Delegation**

- 5.1 The Engineer may delegate any of his duties and responsibilities to other people except to the Adjudicator after notifying the Contractor and may cancel any delegation after notifying the Contractor.

### **6. Communications**

- 6.1 Communications between parties which are referred to in the conditions are effective only when in writing. A notice shall be effective only when it is delivered (in terms of Indian Contract Act).

### **7. Subcontracting**

- 7.1 The Contractor may subcontract with the approval of the Engineer but may not assign the Contract without the approval of the Employer in writing. Subcontracting does not alter the Contractor's obligations.

### **8. Other Contractors**

- 8.1 The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Employer between the dates given in the Schedule of Other Contractors. The Contractor shall as referred to in the Contract Data, also provide facilities and services for them as described in the Schedule. The employer may modify the schedule of other contractors and shall notify the contractor of any such modification.

### **9. Personnel**

- 9.1 The Contractor shall employ the key personnel named in the Schedule of Key Personnel as referred to in the Contract Data to carry out the functions stated in the Schedule or other personnel approved by the Engineer. The Engineer will approve any proposed replacement of key personnel only if their qualifications, abilities, and relevant experience are substantially equal to or better than those of the personnel listed in the Schedule.
- 9.2 If the Engineer asks the Contractor to remove a person who is a member of the Contractor's staff or his work force stating the reasons the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.

9.3 The Contractor shall not employ any retired Gazetted officer who has worked in the Engineering Department of the State Government and has either not completed two years after his date of retirement or has not obtained State Government's permission to employment with the Contractor.

## 10. Employer's and Contractor's Risks

10.1 The Employer carries the risks which this Contract states are Employer's risks, and the Contractor carries the risks which this Contract states are Contractor's risks.

## 11. Employer's Risks

11.1 The Employer is responsible for the excepted risks which are (a) in so far as they directly affect the execution of the Works in the Employer's country, the risks of war, hostilities, invasion, act of foreign enemies, rebellion, revolution, insurrection or military or usurped power, civil war, riot commotion or disorder (unless restricted to the Contractor's employees), and contamination from any nuclear fuel or nuclear waste or radioactive toxic explosive, or (b) a cause due solely to the design of the Works, other than the Contractor's design.

## 12. Contractor's Risks

12.1 All risks of loss of or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract other than the excepted risks are the responsibility of the Contractor.

## 13. Insurance

13.1 The Contractor shall provide, in the joint names of the Employer and the Contractor, insurance cover from the Start Date to the end of the Defects Liability Period, in the amounts and deductibles stated in the Contract Data for the following events which are due to the Contractor's risks:

- (a) loss of or damage to the Works, Plant and Materials;
- (b) loss of or damage to Equipment;
- (c) loss of or damage of property (except the Works, Plant, Materials and Equipment) in connection with the Contract; and
- (d) personal injury or death.

13.2 Policies and certificates for insurance shall be delivered by the Contractor to the Engineer for the Engineer's approval before the Start Date. All such insurance shall provide for compensation to be payable in the types and proportions of currencies required to rectify the loss or damage incurred.

13.3 If the Contractor does not provide any of the policies and certificates required, the Employer may effect the insurance which the Contractor should have provided and recover the premiums the Employer has paid from payments otherwise due to the Contractor or, if no payment is due, the payment of the premiums shall be a debt due.

13.4 Alterations to the terms of insurance shall not be made without the approval of the Engineer.

13.5 Both parties shall comply with any conditions of the insurance policies.

## 14. Site Investigation Reports

14.1 The Contractor, in preparing the Bid, shall rely on any site Investigation Reports referred to in the Contract Data, supplemented by any information available to the Bidder.

**15. Queries about the Contract Data**

15.1 The Engineer will clarify queries on the Contract Data.

**16. Contractor to Construct the Works**

16.1 The Contractor shall construct and install the Works in accordance with the Specification and Drawings, and as per instructions of Engineer.

**17. The Works to Be Completed by the Intended Completion Date**

17.1 The Contractor may commence execution of the Works on the Start Date and shall carry out the Works in accordance with the program submitted by the Contractor, as updated with the approval of the Engineer, and complete them by the Intended Completion Date.

**18. Approval by the Engineer**

18.1 The Contractor shall submit Specifications and Drawings showing the proposed Temporary Works to the Engineer, who is to approve them if they comply with the Specifications and Drawings.

18.2 The Contractor shall be responsible for design of Temporary Works.

18.3 The Engineer's approval shall not alter the Contractor's responsibility for design of the Temporary Works.

18.4 The Contractor shall obtain approval of third parties to the design of the Temporary Works where required.

18.5 All Drawings prepared by the Contractor for the execution of the temporary or permanent Works, are subject to prior approval by the Engineer before their use.

**19. Safety**

19.1 The Contractor shall be responsible for the safety of all activities on the Site.

**20. Discoveries**

20.1 Anything of historical or other interest or of significant value unexpectedly discovered on the Site is the property of the Employer. The Contractor is to notify the Engineer of such discoveries and carry out the Engineer's instructions for dealing with them.

**21. Possession of the Site**

21.1 The Employer shall give possession of all parts of the Site to the Contractor. If possession of a part is not given by the date stated in the Contract Data the Employer is deemed to have delayed the start of the relevant activities and this will be Compensation Event.

**22. Access to the Site**

22.1 The Contractor shall allow the Engineer and any person authorized by the Engineer access to the Site, to any place where work in connection with the Contract is being carried out or is intended to be carried out and to any place where materials or plant are being manufactured / fabricated / assembled for the works.

## **23. Instructions**

- 23.1** The Contractor shall carry out all instructions of the Engineer which comply with the applicable laws where the Site is located.
- 23.2** The Contractor shall permit the bank to inspect the Contractor's accounts and records relating to the performance of the Contractor and to have them audited by auditors appointed by the Bank, if so required by the Bank.

## **24. Disputes**

- 24.1** If the Contractor believes that a decision taken by the Engineer was either outside the authority given to the Engineer by the Contract or that the decision was wrongly taken, the decision shall be referred to the Adjudicator within 14 days of the notification of the Engineer's decision.

## **25. Procedure for Disputes**

- 25.1** The Adjudicator shall give a decision in writing within 28 days of receipt of a notification of a dispute.
- 25.2** The Adjudicator shall be paid daily at the rate specified in the Contract Data together with reimbursable expenses of the types specified in the Contract Data and the cost shall be divided equally between the Employer and the Contractor, whatever decision is reached by the Adjudicator. Either party may refer a decision of the Adjudicator to an Arbitrator within 28 days of the Adjudicator's written decision. If neither party refers the dispute to arbitration within the above 28 days, the Adjudicator's decision will be final and binding.
- 25.3** The arbitration shall be conducted in accordance with the arbitration procedure stated in the Special Conditions of Contract.

## **26. Replacement of Adjudicator**

- 26.1** Should the Adjudicator resign or die, or should the Employer and the Contractor agree that the Adjudicator is not fulfilling his functions in accordance with the provisions of the Contract, a new Adjudicator will be jointly appointed by the Employer and the Contractor. In case of disagreement between the Employer and the Contractor, within 30 days, the Adjudicator shall be designated by the Appointing Authority designated in the Contract Data at the request of either party, within 14 days of receipt of such request.

## **B. Time Control**

### **27. Program**

- 27.1** Within the time stated in the Contract Data the Contractor shall submit to the Engineer for approval a Program including Environmental Management Plan showing the general methods, arrangements, order, and timing for all the activities in the Works along with monthly cash flow forecast.
- 27.2** An update of the Program shall be a program showing the actual progress achieved on each activity and the effect of the progress achieved on the timing of the remaining work including any changes to the sequence of the activities.
- 27.3** The Contractor shall submit to the Engineer, for approval, an updated Program at intervals no longer than the period stated in the Contract Data. If the Contractor does not submit an updated Program within this period, the Engineer may withhold the amount stated in the Contract Data

from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Program has been submitted.

- 27.4** The Engineer's approval of the Program shall not alter the Contractor's obligations. The Contractor may revise the Program and submit it to the Engineer again at any time. A revised Program is to show the effect of Variations and Compensation Events.

**28. Extension of the Intended Completion Date**

- 28.1** The Engineer shall extend the Intended Completion Date if a Compensation Event occurs or a Variation is issued which makes it impossible for Completion to be achieved by the Intended Completion Date without the Contractor taking steps to accelerate the remaining work and which would cause the Contractor to incur additional cost.

- 28.2** The Engineer shall decide whether and by how much to extend the Intended Completion Date within 21 days of the Contractor asking the Engineer for a decision upon the effect of a Compensation Event or Variation and submitting full supporting information. If the Contractor has failed to give early warning of a delay or has failed to cooperate in dealing with a delay, the delay by this failure shall not be considered in assessing the new Intended Completion Date.

**29. Deleted**

**30. Delays Ordered by the Engineer**

- 30.1** The Engineer may instruct the Contractor to delay the start or progress of any activity within the Works.

**31. Management Meetings**

- 31.1** Either the Engineer or the Contractor may require the other to attend a management meeting. The business of a management meeting shall be to review the plans for remaining work and to deal with matters raised in accordance with the early warning procedure.

- 31.2** The Engineer shall record the business of management meetings and is to provide copies of his record to those attending the meeting and to the Employer. The responsibility of the parties for actions to be taken is to be decided by the Engineer either at the management meeting or after the management meeting and stated in writing to all who attended the meeting.

**32. Early Warning**

- 32.1** The Contractor is to warn the Engineer at the earliest opportunity of specific likely future events or circumstances that may adversely affect the quality of the work, increase the Contract Price or delay the execution of works. The Engineer may require the Contractor to provide an estimate of the expected effect of the future event or circumstance on the Contract Price and Completion Date. The estimate is to be provided by the Contractor as soon as reasonably possible.

- 32.2** The Contractor shall cooperate with the Engineer in making and considering proposals for how the effect of such an event or circumstance can be avoided or reduced by anyone involved in the work and in carrying out any resulting instruction of the Engineer.

## C. Quality Control

### 33. Identifying Defects

- 33.1 The Engineer shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities. The Engineer may instruct the Contractor to search for a Defect and to uncover and test any work that the Engineer considers may have a Defect
- 33.2 The contractor shall permit the Employer's Technical auditor to check the Contractor's work and notify the Engineer and Contractor of any defects that are found. Such a check shall not affect the Contractor's or the Engineer's responsibility as defined in the Contract Agreement.

### 34. Tests

- 34.1 If the Engineer instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no Defect the test shall be a Compensation Event.

### 35. Correction of Defects

- 35.1 The Engineer shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at Completion and is defined in the Contract Data. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.
- 35.2 Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Engineer's notice.

### 36. Uncorrected Defects

- 36.1 If the Contractor has not corrected a Defect within the time specified in the Engineer's notice, the Engineer will assess the cost of having the Defect corrected, and the Contractor will pay this amount.

*Note: Where in certain cases, the technical specifications provide for acceptance of works within specified tolerance limits at reduced rates, Engineer will certify payments to Contractor accordingly.*

## D. Cost Control

### 37. Bill of Quantities

- 37.1 The Bill of Quantities shall contain items for the construction, installation, testing, and commissioning works to be done by the Contractor.
- 37.2 The Bill of Quantities is used to calculate the Contract Price. The Contractor is paid for the quantity of the work done at the rate in the Bill of Quantities for each.

### 38. Changes in the Quantities

- 38.1 If the final quantity of the work done differs from the quantity in the Bill of Quantities for the particular item by more than 25 percent provided the change exceeds 1% of initial Contract Price, the Engineer shall adjust the rate to allow for the change.

**38.2** The Engineer shall not adjust rates from changes in quantities if thereby the Initial Contract Price is exceeded by more than 15 percent, except with the Prior approval of the Employer.

**38.3** If requested by the Engineer, the Contractor shall provide the Engineer with a detailed cost breakdown of any rate in the Bill of Quantities.

### **39. Variations**

**39.1** All Variations shall be included in updated Programs produced by the Contractor.

### **40. Payments for Variations**

**40.1** The Contractor shall provide the Engineer with a quotation (with breakdown of unit rates) for carrying out the Variation when requested to do so by the Engineer. The Engineer shall assess the quotation, which shall be given within seven days of the request or within any longer period stated by the Engineer and before the Variation is ordered.

**40.2** If the work in the Variation corresponds with an item description in the Bill of Quantities and if, in the opinion of the Engineer, the quantity of work above the limit stated in Sub Clause 38.1 or the timing of its execution do not cause the cost per unit of quantity to change, the rate in the bill of Quantities shall be used to calculate the value of the Variation. If the cost per unit of quantity changes, or if the nature or timing of the work in the Variation does not correspond with items in the Bill of Quantities, the quotation by the Contractor shall be in form of new rates for the relevant items of work.

**40.3** If the Contractor's quotation is unreasonable (or if the contractor fails to provide the Engineer with the quotation within a reasonable time specified by the Engineer in accordance with Clause 40.1) the Engineer may order the Variation and make a change to the Contract Price which shall be based on Engineer's own forecast of the effects of the Variation on the Contractor's costs.

**40.4** If the Engineer decides that the urgency of varying the work would prevent a quotation being given and considered without delaying the work, no quotation shall be given and the Variation shall be treated as a Compensation Event.

**40.5** The Contractor shall not be entitled to additional payment for costs that could have been avoided by giving early warning.

### **41. Cash flow forecasts**

**41.1** When the Program is updated, the contractor is to provide the Engineer with an updated cash flow forecast.

### **42. Payment Certificates**

**42.1.1** The Contractor shall submit to the Engineer monthly statements of the estimated value of the work completed less the cumulative amount certified previously along with details of measurement of the quantity of works executed in a tabulated form as approved by the Engineer.

**42.2** The Engineer shall the details given in the Contractor's monthly statement and within 14 days certify the amount to be paid to the Contractor after taking into account any credit or debit for the month in question in respect of materials for the works in the relevant amounts and under conditions set forth in sub-clause 51(3) of the Contract Data (Secured Advance).

**42.3** The value of work executed shall be determined by the Engineer after due check measurement of the quantities claimed as executed by the contractor.

42.4 The value of work executed shall comprise the value of the quantities of the items in the Bill of Quantities completed.

42.5 The value of work executed shall include the valuation of Variations and Compensation Events.

42.6 The Engineer may exclude any item certified in a previous certificate or reduce the proportion of any item previously certified in any certificate in the light of later information.

### 43. Payments

43.1 Payments shall be adjusted for deductions for advance payments, retention, other recoveries in terms of the contract and taxes, at source, as applicable under the law. The Employer shall pay the Contractor the amounts certified by the Engineer within 28 days of the date of each certificate. If the Employer makes a late payment, the Contractor shall be paid interest on the late payment in the next payment. Interest shall be calculated from the date by which the payment should have been made up to the date when the late payment is made at 8% per annum.

43.2 If an amount certified is increased in a later certificate or as a result of an award by the Adjudicator or an Arbitrator, the Contractor shall be paid interest upon the delayed payment as set out in this clause. Interest shall be calculated from the date upon which the increased amount would have been certified in the absence of dispute.

43.3 Items of the Works for which no rate or price has been entered in will not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.

### 44. Compensation Events

44.1 The following are Compensation Events unless they are caused by the Contractor:

- (a) The Employer does not give access to a part of the Site by the Site Possession Date stated in the Contract Data.
- (b) The Employer modifies the schedule of other contractors in a way which affects the work of the contractor under the contract.
- (c) The Engineer orders a delay or does not issue drawings, specifications or instructions required for execution of works on time.
- (d) The Engineer instructs the Contractor to uncover or to carry out additional tests upon work which is then found to have no Defects.
- (e) The Engineer unreasonably does not approve for a subcontract to be let.
- (f) Ground conditions are substantially more adverse than could reasonably have been assumed before issuance of Letter of Acceptance from the information issued to Bidders (including the Site Investigation Reports), from information available publicly and from a visual inspection of the Site.
- (g) The Engineer gives an instruction for dealing with an unforeseen condition, caused by the Employer, or additional work required for safety or other reasons.
- (h) Other contractors, public authorities, utilities or the Employer does not work within the dates and other constraints stated in the Contract, and they cause delay or extra cost to the Contractor.
- (i) The advance payment is delayed.

- (j) The effect on the Contractor of any of the Employer's Risks.
- (k) The Engineer unreasonably delays issuing a Certificate of Completion.
- (l) Other Compensation Events listed in the Contract Data or mentioned in the Contract.

**44.2** If a Compensation Event would cause additional cost or would prevent the work being completed before the Intended Completion Date, the Contract Price shall be increased and/or the Intended Completion Date is extended. The Engineer shall decide whether and by how much the Contract Price shall be increased and whether and by how much the Intended Completion Date shall be extended.

**44.3** As soon as information demonstrating the effect of each Compensation Event upon the Contractor's forecast cost has been provided by the Contractor, it is to be assessed by the Engineer and the Contract Price shall be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Engineer shall adjust the Contract Price based on Engineer's own forecast. The Engineer will assume that the Contractor will react competently and promptly to the event.

**44.4** The Contractor shall not be entitled to compensation to the extent that the Employer's interests are adversely affected by the Contractor not having given early warning or not having cooperated with the Engineer.

#### **45. Tax**

**45.1** The rates quoted by the Contractor shall be deemed to be inclusive of the sales and other taxes that the Contractor will have to pay for the performance of this Contract. The Employer will perform such duties in regard to the deduction of such taxes at source as per applicable law.

#### **46. Currencies**

**46.1** All payments shall be made in Indian Rupees.

#### **47. Price Adjustment**

**47.1** Contract price shall be adjusted for increase or decrease in rates and price of labour, materials, fuels and lubricants in accordance with the following principles and procedures and as per formula given in the contract data:

- (a) The price adjustment shall apply for the work done from the start date given in the contract data upto end of the initial intended completion date or extensions granted by the Engineer and shall not apply to the work carried out beyond the stipulated time for reasons attributable to the contractor.
- (b) The price adjustment shall be determined during each quarter from the formula given in the contract data.
- (c) Following expressions and meanings are assigned to the work done during each quarter:

R = Total value of work done during the quarter. It would include the amount of secured advance for materials paid for (if any) during the quarter, less the amount of the secured advance recovered, during the quarter. It will exclude value for works executed under variations for which price adjustment will be worked separately based on the terms mutually agreed.

**47.2** To the extent that full compensation for any rise or fall in costs to the contractor is not covered by the provisions of this or other clauses in the contract, the unit rates and prices included in the contract shall be deemed to include amounts to cover the contingency of such other rise or fall in costs.

**48. Retention**

**48.1** The Employer shall retain from each payment due to the Contractor the proportion stated in the Contract Data until Completion of the whole of the Works.

**48.2** On Completion of the whole of the Works half the total amount retained is repaid to the Contractor and half when the Defects Liability Period has passed and the Engineer has certified that all Defects notified by the Engineer to the Contractor before the end of this period have been corrected.

**48.3** On completion of the whole works, the contractor may substitute retention money (*balance half*) with an "on demand" Bank guarantee.

**49. Liquidated Damages**

**49.1** The Contractor shall pay liquidated damages to the Employer at the rate per day stated in the Contract Data for each day that the Completion Date is later than the Intended Completion Date (for the whole of the works or the milestone as stated in the contract data). The total amount of liquidated damages shall not exceed the amount defined in the Contract Data. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages does not affect the Contractor's liabilities.

**49.2** If the Intended Completion Date is extended after liquidated damages have been paid, the Engineer shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment certificate. The Contractor shall be paid interest on the over payment calculated from the date of payment to the date of repayment at the rates specified in Sub Clause 43.1.

**50. Deleted**

**51. Advance Payment**

**51.1** The Employer shall make advance payment to the Contractor of the amounts stated in the Contract Data by the date stated in the Contract Data, against provision by the Contractor of an Unconditional Bank Guarantee in a form and by a bank acceptable to the Employer in amounts and currencies equal to the advance payment. The guarantee shall remain effective until the advance payment has been repaid, but the amount of the guarantee shall be progressively reduced by the amounts repaid by the Contractor. Interest will not be charged on the advance payment.

**51.2** The Contractor is to use the advance payment only to pay for Equipment, Plant and Mobilization expenses required specifically for execution of the Works. The Contractor shall demonstrate that advance payment has been used in this way by supplying copies of invoices or other documents to the Engineer.

**51.3** The advance payment shall be repaid by deducting proportionate amounts from payments otherwise due to the Contractor, following the schedule of completed percentages of the Works on a payment basis. No account shall be taken of the advance (mobilization and equipment only) payment or its repayment in assessing valuations of work done, Variations, price adjustments, Compensation Events, or Liquidated Damages.

**51.4 Secured Advance:**

The Engineer shall make advance payment in respect of materials intended for but not yet incorporated in the Works in accordance with conditions stipulated in the Contract Data.

**52. Securities**

**52.1** The Performance Security shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and by a bank or surety acceptable to the Employer, and denominated in Indian Rupees. The Performance Security shall be valid until a date 28 days from the date of expiry of Defects Liability Period and the additional security for unbalanced bids shall be valid until a date 28 days from the date of issue of the certificate of completion.

**53. Deleted**

**54. Cost of Repairs**

**54.1** Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of the Defects Correction periods shall be remedied by the Contractor at the Contractor's cost if the loss or damage arises from the Contractor's acts or omissions.

**E. Finishing the Contract**

**55. Completion**

**55.1** The Contractor shall request the Engineer to issue a Certificate of Completion of the Works and the Engineer will do so upon deciding that the Work is completed.

**56. Taking Over**

**56.1** The Employer shall take over the Site and the Works within seven days of the Engineer issuing a certificate of Completion.

**57. Final Account**

**57.1** The Contractor shall supply to the Engineer a detailed account of the total amount that the Contractor considers payable under the Contract before the end of the Defects Liability Period. The Engineer shall issue a Defect Liability Certificate and certify any final payment that is due to the Contractor within 56 days of receiving the Contractor's account if it is correct and complete. If it is not, the Engineer shall issue within 56 days a schedule that states the scope of the corrections or additions that are necessary. If the Final Account is still unsatisfactory after it has been resubmitted, the Engineer shall decide on the amount payable to the Contractor and issue a payment certificate, within 56 days of receiving the Contractor's revised account.

**58. Operating and Maintenance Manuals**

**58.1** If "as built" Drawings and/or operating and maintenance manuals are required, the Contractor shall supply them by the dates stated in the Contract Data.

**58.2** If the Contractor does not supply the Drawings and/or manuals by the dates stated in the Contract Data, or they do not receive the Engineer's approval, the Engineer shall withhold the amount stated in the Contract Data from payments due to the Contractor.

## **59. Termination**

**59.1** The Employer or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract.

**59.2** Fundamental breaches of Contract include, but shall not be limited to the following:

- (a) the Contractor stops work for 28 days when no stoppage of work is shown on the current Program and the stoppage has not been authorized by the Engineer;
- (b) the Engineer instructs the Contractor to delay the progress of the Works and the instruction is not withdrawn within 28 days;
- (c) the Employer or the Contractor is made bankrupt or goes into liquidation other than for a reconstruction or amalgamation;
- (d) a payment certified by the Engineer is not paid by the Employer to the Contractor within 56 days of the date of the Engineer's certificate;
- (e) the Engineer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Engineer;
- (f) the Contractor does not maintain a security which is required;
- (g) the Contractor has delayed the completion of works by the number of days for which the maximum amount of liquidated damages can be paid as defined in the Contract data; and
- (h) if the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices, as defined in GCC Clause 64 in competing for or in the executing the Contract.

**59.3** When either party to the Contract gives notice of a breach of contract to the Engineer for a cause other than those listed under Sub Clause 59.2 above, the Engineer shall decide whether the breach is fundamental or not.

**59.4** Notwithstanding the above, the Employer may terminate the Contract for convenience.

**59.5** If the Contract is terminated the Contractor shall stop work immediately, make the Site safe and secure and leave the Site as soon as reasonably possible.

## **60. Payment upon Termination**

**60.1** If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Engineer shall issue a certificate for the value of the work done less advance payments received up to the date of the issue of the certificate, less other recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law and less the percentage to apply to the work not completed as indicated in the Contract Data. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor the difference shall be a debt payable to the Employer.

**60.2** If the Contract is terminated at the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Engineer shall issue a certificate for the value of the work done, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works and less

advance payments received up to the date of the certificate, less other recoveries due in terms of the contract and less taxes due to be deducted at source as per applicable law.

## **61. Property**

**61.1** All materials on the Site, Plant, Equipment, Temporary Works and Works are deemed to be the property of the Employer, if the Contract is terminated because of a Contractor's default.

## **62. Release from Performance**

**62.1** If the Contract is frustrated by the outbreak of war or by any other event entirely outside the control of either the Employer or the Contractor the Engineer shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which commitment was made.

## **63. Suspension of World Bank Loan or Credit**

**63.1** In the event that the World Bank suspends the Loan or Credit to the Employer, from which part of the payments to the Contractor are being made:

- (a) The Employer is obligated to notify the Contractor of such suspension within 7 days of having received the World Bank's suspension notice.
- (b) If the Contractor has not received sums due to it upon the expiration of the 28 days for payment provided for in Sub-Clause 43.1, the Contractor may immediately issue a 14-day termination notice.

## **64. Corrupt or Fraudulent Practices:**

**64.1** If the Employer determines that the Contractor has engaged in corrupt, fraudulent, collusive coercive or obstructive practices, in competing for or in executing the Contract, then the Employer may, after giving 14 days notice to the Contractor, terminate the Contractor's employment under the Contract and expel him from the Site, and the provisions of Clause 59 shall apply.

Should any employee of the Contractor be determined to have engaged in corrupt, fraudulent, collusive, coercive, or obstructive practice during the execution of the works, then that employee shall be removed in accordance with Clause 9 (Personnel).

For the Purposes of this Sub-Clause:

- (i) "corrupt practice"<sup>6</sup> is the offering, giving, receiving or soliciting directly or indirectly, of anything of value to influence improperly the actions of another party;
- (ii) "fraudulent practice"<sup>7</sup> is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;
- (iii) "collusive practices"<sup>8</sup> is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;

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<sup>6</sup> "another party" refers to a public official acting in relation to the procurement process or contract execution]. In this context, "public official" included World Bank staff and employees of other organizations taking or reviewing procurement decisions.

<sup>7</sup> a "party" refers to a public official; the terms "benefit" and "obligation" related to the procurement process or contract execution; and the "act or omission" is intended to influence the procurement process or contract execution.

- (iv) “coercive practices”<sup>9</sup> is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;
- (v) “obstructive practice” is
  - (aa) deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a Bank investigation into allegations of a corrupt, fraudulent, coercive or collusive practice, and / or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or
  - (bb) acts intended to materially impede the exercise of the Bank’s inspection and audit rights provided for under sub-clause 23.2 [Inspections and Audits by the Bank].”

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<sup>8</sup> “parties” refers to participants in the procurement process (including public officials) attempting to establish bid prices at artificial, non competitive levels.

<sup>9</sup> a “party” refers to a participant in the procurement process or contract execution.

## F. Special Conditions of Contract

### 1. LABOUR :

The Contractor shall, unless otherwise provided in the Contract, make his own arrangements for the engagement of all staff and labour, local or other, and for their payment, housing, feeding and transport.

The Contractor shall, if required by the Engineer, deliver to the Engineer a return in detail, in such form and at such intervals as the Engineer may prescribe, showing the staff and the numbers of the several classes of labour from time to time employed by the Contractor on the Site and such other information as the Engineer may require.

### 2. COMPLIANCE WITH LABOUR REGULATIONS:

During continuance of the contract, the Contractor and his sub contractors shall abide at all times by all existing labour enactments and rules made thereunder, regulations, notifications and bye laws of the State or Central Government or local authority and any other labour law (including rules), regulations, bye laws that may be passed or notification that may be issued under any labour law in future either by the State or the Central Government or the local authority. Salient features of some of the major labour laws that are applicable to construction industry are given below. The Contractor shall keep the Employer indemnified in case any action is taken against the Employer by the competent authority on account of contravention of any of the provisions of any Act or rules made thereunder, regulations or notifications including amendments. If the Employer is caused to pay or reimburse, such amounts as may be necessary to cause or observe, or for non-observance of the provisions stipulated in the notifications/bye laws/Acts/Rules/regulations including amendments, if any, on the part of the Contractor, the Engineer/Employer shall have the right to deduct any money due to the Contractor including his amount of performance security. The Employer/Engineer shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer.

The employees of the Contractor and the Sub-Contractor in no case shall be treated as the employees of the Employer at any point of time.

**SALIENT FEATURES OF SOME MAJOR LABOUR LAWS APPLICABLE TO ESTABLISHMENTS ENGAGED IN BUILDING AND OTHER CONSTRUCTION WORK.**  
(The law as current on the date of bid opening will apply)

- a) Workmen Compensation Act 1923 :- The Act provides for compensation in case of injury by accident arising out of and during the course of employment.
- b) Payment of Gratuity Act 1972 :- Gratuity is payable to an employee under the Act on satisfaction of certain conditions on separation if an employee has completed 5 years service or more or on death the rate of 15 days wages for every completed year of service. The Act is applicable to all establishments employing 10 or more employees.
- c) Employees P.F. and Miscellaneous Provision Act 1952(since amended) : The Act Provides for monthly contributions by the employer plus workers @ 10% or 8.33%. The benefits payable under the Act are :
  - (i) Pension or family pension on retirement or death, as the case may be.
  - (ii) Deposit linked insurance on the death in harness of the worker.
  - (iii) payment of P.F. accumulation on retirement/death etc.
- d) Maternity Benefit Act 1951 :- The Act provides for leave and some other benefits to women employees in case of confinement or miscarriage etc.
- e) Contract Labour (Regulation & Abolition) Act 1970:- The Act provides for certain welfare measures to be provided by the Contractor to contract labour and in case the Contractor fails to provide, the same are required to be provided, by the Principal Employer by Law. The Principal Employer is required to take Certificate of Registration and the Contractor is required to take license from the designated Officer. The Act is applicable to the establishments or Contractor of Principal Employer if they employ 20 or more contract labour.
- f) Minimum Wages Act 1948 :- The Employer is supposed to pay not less than the Minimum Wages fixed by appropriate Government as per provisions of the Act if the employment is a scheduled employment. Construction of Buildings, Roads, Runways are scheduled employments.
- g) Payment of Wages Act 1936 :- It lays down as to by what date the wages are to be paid, when it will be paid and what deductions can be made from the wages of the workers.
- h) Equal Remuneration Act 1979 :- The Act provides for payment of equal wages for work of equal nature to Male and Female workers and for not making discrimination against Female employees in the matters of transfers, training and promotions etc.
- i) Payment of Bonus Act 1965 :- The Act is applicable to all establishments employing 20 or more employees. The Act provides for payments of annual bonus subject to a minimum of 8.33% of wages and maximum of 20% of wages to employees drawing Rs.3500/-per month or less. The bonus to be paid to employees getting Rs.2500/- per month or above upto Rs.3500/- per month

shall be worked out by taking wages as Rs.2500/-per month only. The Act does not apply to certain establishments. The newly set-up establishments are exempted for five years in certain circumstances. Some of the State Governments have reduced the employment size from 20 to 10 for the purpose of applicability of this Act.

- j) Industrial Disputes Act 1947 :- The Act lays down the machinery and procedure for resolution of Industrial disputes, in what situations a strike or lock-out becomes illegal and what are the requirements for laying off or retrenching the employees or closing down the establishment.
- k) Industrial Employment (Standing Orders) Act 1946 :- It is applicable to all establishments employing 100 or more workmen (employment size reduced by some of the States and Central Government to 50). The Act provides for laying down rules governing the conditions of employment by the Employer on matters provided in the Act and get the same certified by the designated Authority.
- l) Trade Unions Act 1926 :- The Act lays down the procedure for registration of trade unions of workmen and employers. The Trade Unions registered under the Act have been given certain immunities from civil and criminal liabilities.
- m) Child Labour (Prohibition & Regulation) Act 1986 :- The Act prohibits employment of children below 14 years of age in certain occupations and processes and provides for regulation of employment of children in all other occupations and processes. Employment of Child Labour is prohibited in Building and Construction Industry.
- n) Inter-State Migrant workmen's (Regulation of Employment & Conditions of Service) Act 1979 :- The Act is applicable to an establishment which employs 5 or more inter-state migrant workmen through an intermediary (who has recruited workmen in one state for employment in the establishment situated in another state). The Inter-State migrant workmen, in an establishment to which this Act becomes applicable, are required to be provided certain facilities such as housing, medical aid, travelling expenses from home upto the establishment and back, etc.
- o) The Building and Other Construction workers (Regulation of Employment and Conditions of Service) Act 1996 and the Cess Act of 1996 :- All the establishments who carry on any building or other construction work and employs 10 or more workers are covered under this Act. All such establishments are required to pay cess at the rate not exceeding 2% of the cost of construction as may be modified by the Government. The Employer of the establishment is required to provide safety measures at the Building or construction work and other welfare measures, such as Canteens, First-Aid facilities, Ambulance, Housing accommodations for workers near the work place etc. The Employer to whom the Act applies has to obtain a registration certificate from the Registering Officer appointed by the Government.
- p) Factories Act 1948 :- The Act lays down the procedure for approval at plans before setting up a factory, health and safety provisions, welfare provisions, working hours, annual earned leave and rendering information regarding accidents or dangerous occurrences to designated authorities. It is applicable to premises employing 10 persons or more with aid of power or 20 or more persons without the aid of power engaged in manufacturing process.

### 3. SUB-CONTRACTING (GCC Clause 7)

Please add the following as Clause 7.2:

The contractor shall not be required to obtain any consent from the employer for:

- a) the sub-contracting of any part of the Works for which the Sub-contractor is named in the contract;
- b) the provision of labour; and

- c) the purchase of materials which are in accordance with the standards specified in the Contract.

Beyond this if the contractor proposes sub-contracting any part of the work during execution of works, because of some unforeseen circumstances to enable him to complete the work as per terms of the contract, the Engineer will consider the following before according approval:

- The contractor shall not sub-contract the whole of the Works.
- The contractor shall not sub-contract any part of the Work without prior consent of the Engineer. Any such consent shall not relieve the contractor from any liability or obligations under the contract and he shall be responsible for the acts, defaults and neglects of any sub-contractor, his agents or workmen as fully as if they were the acts, defaults or neglects of the contractor, his agents or workmen.
- The Engineer should satisfy whether (a) the circumstances warrant such sub-contracting; and (b) the sub-contractors so proposed for the Work possess the experience, qualifications and equipment necessary for the job proposed to be entrusted to them in proportion to the quantum of work to be sub-contracted.
- If payments are proposed to be made directly to that sub-contractor, this should be subject to specific authorization by the prime contractor so that this arrangement does not alter the contractor's liability or obligations under the contract.

*(Note: 1. All bidders are expected to indicate clearly in the bid, if they proposed sub-contracting elements of the works amounting to more than 20 percent of the Bid Price. For each such proposal the qualification and the experience of the identified sub-contractor in the relevant field should be furnished along with the bid to enable the employer to satisfy himself about their qualifications before agreeing for such sub-contracting and include it in the contract. In view of the above, normally no additional sub-contracting should arise during execution of the contract.*

*2. However [a] sub contracting for certain specialized elements of the work is not unusual and acceptable for carrying out the works more effectively; but vertical splitting of the works for subcontracting is not acceptable [b] In any case, proposal for sub-contracting in addition to what was specified in bid and stated in contract agreement will not be acceptable if the value of such additional sub-contracting exceeds 25% of value of work which was to be executed by Contractor without sub-contracting.*

3. Assignment of the contract may be acceptable only under exceptional circumstances such as insolvencies/liquidation or merger of companies etc.

4. **ARBITRATION** (GCC Clause 25.3)

The procedure for arbitration will be as follows :

- 25.3 (a) In case of Dispute or difference arising between the Employer and a domestic contractor relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Arbitration and Conciliation Act, 1996. The arbitral tribunal shall consist of 3 arbitrators one each to be appointed by the Employer and the Contractor. The third Arbitrator shall be chosen by the two Arbitrators so appointed by the Parties and shall act as Presiding arbitrator. In case of failure of the two arbitrators appointed by the parties to reach upon a consensus within a period of 30 days from the appointment of the arbitrator appointed subsequently, the Presiding Arbitrator shall be appointed by the "Secretary General of the Indian Roads Congress, New Delhi".
- (b) In the case of dispute with a Foreign contractor the dispute shall be settled in accordance with provisions of UNCITRAL Arbitration Rules. The Arbitral Tribunal shall consist of three Arbitrators one each to be appointed by the Employer and the Contractor. The third Arbitrator shall be chosen by the two Arbitrators so appointed by the Parties, and shall act a presiding arbitrator. In case of failure of the two arbitrators appointed by the parties to reach upon a consensus within a period of 30 days from the appointment of the arbitrator appointed subsequently, the Presiding arbitrator shall be appointed by the" Secretary General of the Indian Roads Congress, New Delhi".
- (c) If one of the parties fails to appoint its arbitrator in pursuance of sub-clause (a) and (b) above within 30 days after receipt of the notice of the appointment of its arbitrator by the other party, then the Secretary General of the Indian Roads Congress New Delhi, both in cases of the Foreign Contractor as well as Indian Contractor, shall appoint the arbitrator. A certified copy of the order of the "Secretary General of the Indian Roads Congress, New Delhi", making such an appointment shall be furnished to each of the parties.
- (d) Arbitration proceedings shall be held at Shimla (Himachal Pradesh), India, and the language of the arbitration proceedings and that of all documents and communications between the parties shall be English.
- (e) The decision of the majority of arbitrators shall be final and binding upon both parties. The cost and expenses of Arbitration proceedings will be paid as determined by the arbitral tribunal. However, the expenses incurred by each party in connection with the preparation, presentation, etc. of its proceedings as also the fees and expenses paid to the arbitrator appointed by such party or on its behalf shall be borne by each party itself.
- (f) Where the value of the contract is Rs.50 millions and below, the disputes or differences arising shall be referred to the Sole Arbitrator. The Sole Arbitrator should be appointed by agreement between the parties; failing such agreement, by the appointing authority, namely the Secretary General of the Indian Roads Congress New Delhi.
- (g) Performance under the contract shall continue during the arbitration proceedings and payments due to the contractor by the owners shall not be withheld, unless they are the subject matter of the arbitration proceedings.

5. **PROTECTION OF ENVIRONMENT:**

Add the following as GCC Clause 16.2:

The contractor shall take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation.

During continuance of the contract, the contractor and his sub-contractors shall abide at all times by all existing enactments on environmental protection and rules made thereunder, regulations, notifications and bye-laws of the State or Central Government, or local authorities and any other law, bye-law, regulations that may be passed or notification that may be issued in this respect in future by the State or Central Government or the local authority.

Salient features of some of the major laws that are applicable are given below :

The Water (Prevention and Control of Pollution) Act, 1974, This provides for the prevention and control of water pollution and the maintaining and restoring of wholesomeness of water. 'Pollution' means such contamination of water or such alteration of the physical, chemical or biological properties of water or such discharge of any sewage or trade effluent or of any other liquid, gaseous or solid substance into water (whether directly or indirectly) as may, or is likely to, create a nuisance or render such water harmful or injurious to public health or safety, or to domestic, commercial, industrial, agricultural or other legitimate uses, or to the life and health of animals or plants or of aquatic organisms.

The Air (Prevention and Control of Pollution) Act, 1981, This provides for prevention, control and abatement of air pollution. 'Air Pollution' means the presence in the atmosphere of any 'air pollutant', which means any solid, liquid or gaseous substance (including noise) present in the atmosphere in such concentration as may be or tend to be injurious to human beings or other living creatures or plants or property or environment.

The Environment (Protection) Act, 1986, this provides for the protection and improvement of environment and for matters connected therewith, and the prevention of hazards to human beings, other living creatures, plants and property. 'Environment' includes water, air and land and the inter-relationship which exists among and between water, air and land, and human beings, other living creatures, plants, micro-organism and property.

The Public Liability Insurance Act, 1991, This provides for public liability insurance for the purpose of providing immediate relief to the persons affected by accident occurring while handling hazardous substances and for matters connected herewith or incidental thereto. Hazardous substance means any substance or preparation which is defined as hazardous substance under the Environment (Protection) Act 1986, and exceeding such quantity as may be specified by notification by the Central Government.

6. **LIQUIDATED DAMAGES**

Sub-clause 49.1:

Please substitute the last sentence with the following:

“Time is the essence of the contract and payment or deduction of liquidated damages shall not relieve the contractor from his obligations to complete the work as per agreed construction program and milestones or from any other of the contractor’s obligations and liabilities under the contract.”

## **SECTION 4: CONTRACT DATA**

## Contract Data

Items marked " N/A " do not apply in this Contract.

	Clause Reference
The following documents are also part of the Contract:	
· The Schedule of Operating and Maintenance Manuals            N/A	[58]
· The Schedule of Other Contractors                                    N/A	[8]
· The Qualifications information of key personnel provided in 1. 6 of Section 2	[9]
· The Methodology and Program of Construction & Environmental Management Plan	[27]
· The qualification information of Contractor's equipment provided in 1. 5 of Section2	[27]
· Site Investigation reports	[14]
The Borrower is Government of Himachal Pradesh through Government of India/	[1.1]
The World Bank means <i>International Bank for Reconstruction and Development (IBRD)</i> and Loan refers to an "IBRD Loan Number 4860-IN".	[1.1]

The above insertions should correspond to the information provided in the Invitation of Bids.

The Employer is

Name: Chief Engineer (South Zone) on behalf of the Governor of Himachal Pradesh  
and acting as an officer/ representative of HPRIDC (1.1)

Address: H.P.P.W.D.,Nirman Bhawan, Shimla-171002 (HP)

Name of authorized Representative: Superintending Engineer (Design),  
HPPWD, Shimla (HP)

The Engineer is (1.1)

Name: Executive Engineer

Address Chopal Division,  
HPPWD Chopal , HP

Name of Authorized Representative: \_\_\_\_\_

The Adjudicator appointed jointly by the Employer and Contractor is:

\* Name : \_\_\_\_\_ (1.1)

\* Address : \_\_\_\_\_

(\* to be filled in after the Adjudicator has been appointed)

The name and identification number of the Contract is **Periodic Maintenance of Sainj Chopal Nerwa Shallu Road km. 38/0 to 90/0** under State Roads Project Package No.HP-SH-08. [1.1]

For each road details refer Schedule 2

The Works consist of: the periodic maintenance works on roads listed in Schedule 2

Providing and Laying 20mm thick open-graded premix surfacing, Profile Correction Course, Repair to C.D. Works, Side Drain and Parapets in PCC and road side furniture and fixing sign boards and & Bioengineering measures accordance with the requirement of Specifications and drawings all aspects of quality assurance of various components of the work, rectification of the Defects in the completed works during the Defects Liability Period and other item of works as may be required to be carried out for completing the works in accordance with the provisions of the contract to ensure safety along the roads.

The Start Date shall be the 10<sup>th</sup> day after date of issue of notice to proceed with the work. (1.1)

The Intended Completion Date for the whole of the Works is Twelve months with the following milestones: [17, 28]

Milestone dates:

	<u>Physical works to be completed</u>	<u>Period from the date of issue of notice to proceed with the work</u>
Milestone 1	i.e completion of all repair works except bituminous works & road furniture.	up to 3 months of the period allowed for completion of work
Milestone 2	i.e completion of Providing and Laying Pre Mix Carpet on 52 km road length	up to 9 months of the period allowed for completion of work
Milestone 3	i.e completion of the entire periodic maintenance works including EMP road furniture etc.	up to 12 months of the period allowed for completion of work
Milestone 4	For EMM and routine maintenance	upto defect liability period

The following documents also form part of the Contract: NIL [2.3]

**The Contractor shall submit a Program including Generic Environmental Management Plan for the Works within 14 days of delivery of the Letter of Acceptance.** [27]

*[This programme should be in adequate detail and generally conform to the program submitted along with bid in response to ITB Clause 4.3 (k). Deviations if any from that should be clearly explained and should be satisfactory to the Engineer.]*

The Site Possession Dates shall be: Date of Issue of notice to proceed with the work [21]

The Site is located at: District Shimla and defined in the Index Map. [1]

The Defects Liability Period is 365 days from the date of certification of completion of works. [35]  
(where sectional completion certificate is issued, this will apply from those dates for those sections)

Insurance requirements are as under:

[13]

S. No.	Item	Minimum Cover of Insurance	Maximum deductible for Insurance
(i)	Works and Plant and Materials	For an amount equivalent to final contract price	Rs.----- (to be filled in at the time of contract)
(ii)	Loss or damage to Equipment	Rs.10, 00,000	Rs.10, 000
(iii)	Other Property	Rs.20, 00,000	Rs.20, 000
(iv)	Personal injury or death insurance:		
	a) for other people;	Rs. 5.00 lacs per occurrence with occurrences limits to four (After each occurrence the contractor shall repay premium necessary to make insurance valid for four occurrence always)	Rs. 20,000
	b) for Contractor's Employees	In accordance with the statutory requirements applicable to India	

The following events shall also be Compensation Events: NIL

[44]

The period between Program updates shall be 60 days.

[27]

The amount to be withheld for late submission of an updated Program shall be Rs 100,000.

[27]

The language of the Contract documents is English

[3]

The law which applies to the Contract is the laws of Union of India

[3]

The currency of the Contract is Indian Rupees.

[46]

Fees and types of reimbursable expenses to be paid to the Adjudicator :

[25]

Rs 2500/ as daily fee plus reimbursable expenditure (i.e traveling, boarding and lodging Expenses as admissible to grade I officer of HP Govt.).

Appointing Authority for the Adjudicator "Secretary General of the Indian Roads Congress, New Delhi."

[26]

Add a new clause at the end of clause 34.1

"The Technical Examiner (Consultant) appointed by the employer shall use testing facilities provided by the contractor free of cost for carrying out 10 % independent testing to verify the quality of works." [34]

The formula(e) for adjustment of prices are:

[47]

R = Value of work as defined in Clause 47.1 of Conditions of Contract.

Adjustment for labour component Deleted

Adjustment for cement component Deleted

Adjustment for steel component Deleted

Adjustment of Bitumen component

Price adjustment for increase or decrease in the cost of bitumen shall be paid in accordance with the following formula:

$$V_b = 0.85 \times P_b / 100 \times R \times (B_i - B_o) / B_o$$

$V_b$  = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rate for bitumen.

$B_o$  = The average official retail price of bitumen at the IOC depot at Panipat on the day 30 days prior to date of opening of Bids.

$B_i$  = The average official retail price of bitumen at IOC depot at Panipat for the 15th day of the middle calendar month of the quarter under consideration.

$P_b$  = Percentage of bitumen component of the work.

Adjustment of POL (fuel and lubricant) component Deleted

Adjustment for Plant and Machinery Spares component Deleted

Adjustment of Local materials Deleted

The following percentages will govern the price adjustment for the entire contract:

1. Bitumen- $P_b$  25%

The proportion of payments retained (retention money) shall be 6% from each bill  
Subject to a maximum of 5% of final contract price

[48]

The liquidated damages for the whole of the works are

“Rupees. 22826.00 per day” and that for the milestones are as under: [49]

For milestone 1	Rs 5640.00 per day
For milestone 2	Rs.16513.00 per day
For milestone 3	Rs.413.00 per day
For milestone 4	Rs.260.00 per day

The maximum amount of liquidated damages for the whole of the works  
is ten percent of final contract price rounded off to the nearest thousand.

[49]

The amounts of the advance payment are:

[51]

Nature of Advance	Amount (Rs.)	Conditions to be fulfilled
1. Mobilization	5% of the Contract price	On submission of un-conditional Bank Guarantee. (to be drawn before end of 20% of Contract period)
2. Equipment (This advance is not applicable for equipment already owned or hired/ leased by the contractor.)	90% for new and 50% of depreciated value for old equipment. Total amount will be subject to a maximum of 5% of the Contract price.	After equipment is brought to site as per agreed construction program (provided the Engineer is satisfied that the equipment is required for performance of the contract) and on submission of unconditional Bank Guarantee for amount of advance.
3. Secured advance for non- perishable materials brought to site	75% of Invoice value or Market value - lower of the two.	<ul style="list-style-type: none"> <li>a) The materials are in-accordance with the specification for Works;</li> <li>b) Such materials have been delivered to site, and are properly stored and protected against damage or deterioration to the satisfaction of the Engineer. The contractor shall store the bulk material in measurable stacks.;</li> <li>c) The Contractor's records of the requirements, orders, receipt and use of materials are kept in a form approved by the Engineer and such records shall be available for inspection by the Engineer;</li> <li>d) The contractor has submitted with his monthly statement the estimated value of the materials on site together with such documents as may be required by the Engineer for the purpose of valuation of the materials and providing evidence of ownership and payment thereof;</li> <li>e) Ownership of such materials shall be deemed vest in the Employer for which the contractor has submitted an Indemnity Bond in an acceptable format; and</li> <li>f) The quantity of materials are not excessive and shall be used within a reasonable time as determined by the Engineer.</li> </ul>

(The advance payment will be paid to the Contractor no later than 15 days after fulfillment of the above conditions).

Repayment of advance payment for mobilization and equipment:

[51]

The advance shall be repaid with percentage deductions from the interim payments certified by the Engineer under the Contract. Deductions shall commence in the next Interim Payment Certificate following that in which the total of all such payments to the Contractor has reached not less than 15 percent of the Contract Price or 3 months from the date of payment of first installment of advance, whichever period concludes earlier, and shall be made at the rate of 15 percent of the amounts of all Interim Payment Certificates until such time as the entire advance is recovered before 80% payments of the total contract price are released,

always provided that the advance shall be completely repaid prior to the expiry of the original time for completion.

Repayment of secured advance:

The advance shall be repaid from each succeeding monthly payments to the extent materials [for which advance was previously paid pursuant to Clause 51.4 of G.C.C. and 51(3) of Contract Data on prepage] have been incorporated into the Works.

The Securities shall be for the following minimum amounts equivalent as a percentage of the Contract Price: [52]

Performance Security for 5 per cent of contract price plus Rs. .... as additional security for unbalanced bids (in terms of ITB Clause 29.5).

The standard form of Performance Security acceptable to the Employer shall be an unconditional Bank Guarantee of the type as presented in Section 8 of the Bidding Documents.

The following events shall also be fundamental breach of contract: [59.2]

1. The Contractor has contravened Sub-clause 7 of GCC read with SCC and Clause 9.0 of GCC
2. The contractor does not adhere to the agreed construction program (Clause 27 of GCC) and also fails to take satisfactory remedial action as per agreements reached in the management meetings (Clause 31) for a period of 30 days.
3. The contractor fails to carry out the instructions of Engineer within a reasonable time determined by the Engineer in accordance with GCC Clause 16.1 and 23.1.

The percentage to apply to the value of the work not completed representing the Employer's additional cost for completing the Works shall be 20 percent. [60]

The period for setting up a field laboratory with the prescribed equipment is 15 days from the date of notice to proceed with the work.

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# SECTION 5: SPECIFICATIONS

## Specifications

For purposes of design, execution, and testing, specification and quality control the, MORT&H specifications (latest edition) for Road and Bridge works shall be followed. For items that are relevant to Hilly States and which do not find place in the MORT&H Specifications, the same shall be followed as being adopted by the National Highway Wing of the State PWD as approved by MORT&H (Ministry of Road Transport & Highways).

## **SECTION 6: DRAWINGS**

## Drawings

All works shall be undertaken in accordance with the IRC Standard Drawings for Hill Roads or as provided by the Engineer.

# SECTION 7: Bill of Quantities

## Preamble

1. The Bill of Quantities shall be read in conjunction with the Instructions to Bidders, General and Special Conditions of Contract, Technical Specifications and Drawings.
- 2.1 The quantities given in the Bill of Quantities are estimated, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work ordered and carried out, as measured by the Contractor and verified by the Engineer and valued at the rates and prices tendered in the Bill of Quantities in the case of item rate tenders. Any increase or decrease in the contract quantities, by item, will not be a cause for acclaim for a variation to the contract price. Work shall be undertaken to the full value of the contract.

**SCHEDULE-1**  
**BILL OF QUANTITIES**

Name of Work : Periodic Maintenance of Sainj Chopal Nerwa Shallu Road  
**Package No. HP-SH-08-219** (Sub Head: Providing and Laying 20mm thick open-graded premix surfacing, Profile Correction Course, Repair to C.D. Works, Retaining walls and Breast walls, Side Drain and Parapets in PCC and road side furniture and fixing sign boards and & Bioengineering measures)  
 i. Section from KM 38/0 to KM 90/0

**Mandatory work:** The cost of routine maintenance of activities as per annexure Schedule 3 shall be the responsibility of the contractor and the cost of routine maintenance for the entire contact duration (including extension, if any) plus 365 days (i.e. Defect Liability Period) is to be carried out by the contractor of which lump sum rate per Kilometer per year shall be paid separately.

Sr. No.	Sub-Head & item of work	Quantity	Unit	Rate		Amount
				In figures	In words	
1	2	3	4	5	6	
	<b>(a) Civil Works</b>					
1.	Excavation for roadways in all kind of soil such as pick work, jumper work, soft and hard rock including chiseling & wedging out of rock, if required and saturated soil and their intermediate classification in all heights and depths. Disposal of the unserviceable material including loading/un-loading upto all lead and lifts for carrying the unserviceable materials. The recovery of stones shall be affected @ Rs.170/- per cum. for the quantum of 10520.41 Cum useful stone on pro-rata basis as per increase/decrease of actual earthwork carried out. Any loss to public or private property during the course of excavation shall be the sole responsibility of the contractor, which shall have to be duly compensated by him at his own cost in all case. The work shall be carried out as per clause 301 of section 300 of MORTH specification (latest edition)	37388.03	Per cubic meter			
2.	Earth work in excavation for structures in all depths as per drawings and technical specification as per Clause 304 of section 300 of MORT&H specifications (latest edition) including setting out, construction of shoring and bracing, removal of stumps and other	476.00	Per cubic meter			

	<p>deleterious materials and disposal in all leads and lifts including dressing of sides and bottom and back filling in trenches with excavated Suitable materials. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited). All earth work in excavation including rock excavation shall be carried out true to lines, grades, side slopes, width, camber, super elevation and level as shown on the drawings. Disposal of unserviceable cut materials in specified manner including loading/un-loading upto a lead of 1.0 km, trimming/filling of unevenness blind edge and finishing of the road to specified dimension. If the foundation of the structure is in an area with stagnant water or water is met with in the excavation due to spring, seepage, rain and other causes it shall be removed by suitable diversion, bailing out or dewatering and the area of the foundation or embankment shall be kept dry. Any loss to the public or private property during the course of excavation shall be the sole responsibility of the contractor which shall have to be duly compensated by him at his own cost in all cases.</p>					
3.	<p>Earth work in excavation for structures in all depths as per drawings and technical specification as per Clause 304 of section 300 of MORT&amp;H specifications (latest edition) including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal in all leads and lifts including dressing of sides and bottom and back filling in trenches with excavated Suitable materials. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil</p>	228.23	Per cubic meter			

	erosion, damage to hill side, water pollution etc. and to protect stability of hill side rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited). All earth work in excavation including rock excavation shall be carried out true to lines, grades, side slopes, width, camber, super elevation and level as shown on the drawings. Disposal of unserviceable cut materials in specified manner including loading/un-loading upto a lead of 1.0 km, trimming/filling of unevenness blind edge and finishing of the road to specified dimension. If the foundation of the structure is in an area with stagnant water or water is met with in the excavation due to spring, seepage, rain and other causes it shall be removed by suitable diversion, bailing out or dewatering and the area of the foundation or embankment shall be kept dry. Any loss to the public or private property during the course of excavation shall be the sole responsibility of the contractor which shall have to be duly compensated by him at his own cost in all cases.					
4.	Providing and laying plain cement concrete 1:3:6 mix (one cement: three sand: six crushed hard stone aggregate 20mm (twenty millimeter) nominal size), mechanically mixed placed in foundation compacted by vibration and curing complete ensuring non-segregation conforming as per section 2100 of MORT&H specification (latest edition) including the cost of form work and hauling of materials and machinery in all leads and lifts by all modes of transportation.	236.15	Per Cubic Metre			
5.	Providing and laying plain cement concrete 1:3:6 mix (one cement: three sand: six crushed hard stone aggregate 40mm (twenty millimeter) nominal size), mechanically mixed placed in foundation compacted by vibration and curing complete ensuring non-segregation conforming as per section	1511.11	Per Cubic Metre			

	2100 of MORT&H specification (latest edition) including the cost of form work and hauling of materials and machinery in all leads and lifts by all modes of transportation.					
6.	Backfilling with hand packed stone upto thickness of not less than 600mm behind abutment, wing wall and return wall Retaining wall Breast wall in all heights and depths complete as per drawings & technical section 2200 of MORT&H Specification (latest edition) and Clause 710.1.4 of IRC: 78 including hauling of material in all leads and lifts by all modes of transportation.	449.88	Per cubic meter			
7.	Providing, laying and jointing reinforced cement concrete pipe NP4 pre-stressed concrete pipe for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 (one cement: two sand) but excluding excavation, protection works, back filling, concrete and masonry works in head walls and parapets as per drawings and technical specifications section 2900 of MORT&H specification (latest edition) including hauling of material in all leads and lifts by all modes of transportation.-1000 mm diameter	52.50	Per Running Meter			
8.	Providing and laying plain cement concrete 1:5:10 mix (one cement: five sand: ten crushed hard stone aggregate 40mm (forty millimeter) nominal size) with 15% plum, the size of plum shall usually be 150mm to 300mm, mechanically mixed placed in foundation compacted by vibration and curing complete ensuring non-segregation conforming to clause 9.3.17 of section 9 of HPPWD specification including the cost of form work and hauling of materials and machinery in all leads and lifts by all modes of transportation. <b>In parapets including form work.</b>	314.97	Per Cubic Meter			
9.	Maintenance of earthen shoulders (filling with fresh Soil) Making up loss	32119.79	Square Meter			

	of material/irregularities on shoulders to design levels with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacted with appropriate equipment to meet requirement of clause 3003 of MORT&H specification (latest edition) including hauling of material in all leads and lifts by all modes of transportation.					
10.	Providing, laying, spreading and compacting stone aggregate grading-I to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3-wheeled steel/vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density and as per Clause 404 of MORT&H Specification (latest edition) including hauling of material in all leads and lifts by all modes of transportation. <b>By Mechanical Means Gr-I</b>	509.30	Per cubic meter			
11.	Providing, laying, spreading and compacting stone aggregate grading-II to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3-wheeled steel/vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density and as per Clause 404 of MORT&H Specification (latest edition) including hauling of material in all leads and lifts by all modes of transportation. <b>By Mechanical Means Gr-II</b>	985.65	Per cubic meter			
12.	Providing, laying, spreading and compacting stone aggregate grading-III to water bound macadam specification including spreading in uniform thickness, hand packing,	985.65	Per cubic meter			

	rolling with 3-wheeled steel/vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density and as per Clause 404 of MORT&H Specification (latest edition) including hauling of material in all leads and lifts by all modes of transportation. By Mechanical Means Gr-III					
13.	Providing and laying bituminous macadam with 40-60 TPH hot mix plant producing an average output of 50 tonnes per hour using crushed aggregates of grading-II premixed with bituminous binder 80/100 grade transported to site, laid over a previously prepared surface with manual means to the required grade, level and alignment and rolled as per clause 501.6 and 501.7 to achieve the desired compaction and as per Clause 504 of MORT&H Specification (latest edition) including hauling of material in all leads and lifts by all modes of transportation .	162.41	Per cubic meter			
14.	Providing and applying priming coat with Bitumen Emulsion grade medium using pressure distributor at the rate of 0.60 kg per sqm. on the prepared granular surface cleaned with mechanical brooms and as per Clause 502 of MORT&H Specification (latest edition) including hauling of material in all leads and lifts by all modes of transportation.	13142.00	Per Square Meter			
15.	Providing and applying tack coat with bitumen 80/100 grade using emulsion pressure distributor at the rate of 0.2kg per sqm. on the granule surface cleaned with mechanical brooms and as per Clause 503 of MORT&H Specification (latest edition) including hauling of material in all leads and lifts by all modes of transportation to be applied on existing black topped surface before laying premix surfacing.	160188.40	Per Square Meter			
16.	Providing, laying and rolling of open-	173330.40	Per			

	graded premix surfacing of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates using bitumen grade 80/100 @14.6 Kg/10sqm. to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a Hot Mix Plant of 40-60 THP, laying and rolling with a smooth wheeled roller 8-10 tonne capacity, finished to required level and grades by mechanical paver and as per Clause 511 of MORT&H Specification (latest edition) including all corrective measures such as patching pot-holes, sealing of cracks including all profile correction for all depths and hauling of material in all leads and lifts by all modes of transportation.		square meter			
17.	Providing and laying premixed sand seal coat with Hot Mix Plant of 40-60 tonne capacity using crushed stone chipping 2.36mm size with bitumen 80/100 grade @6.8Kg/10sqm sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type B seal coat as per Clause 513 of MORT&H Specification (latest edition) including hauling of material in all leads and lifts by all modes of transportation.	173330.40	Per square meter			
18.	Providing and erecting 600x400mm facility information recto reflectorised sign as per IRC: 67 made of high intensity grade sheeting vide clause 801.3 of MORT&H Specification (latest edition) fixed over aluminum sheeting, 2mm thick as per Clause 801 of MORT&H Specification (latest edition). The back of aluminum sheet to be painted with epoxy paint of standard make, this plate to be fixed on a frame made out of MS angle 25x25x3mm with two vertical support with nuts bolt aluminum rivets. The structure to be fixed on single post of 3.5 mtr. Long 65x65x6mm size angle having 125x125x6mm MS base plate at the bottom. The posts be painted in the black and white alternative bands	106 Nos.	Each			

	of 25cm height. This vertical post be firmly embedded in a length of 300mm in concrete block of grade M-15 having nominal mix 1:2:4 with 20mm aggregate and of size 450x450x600mm wherein the CC block will be 600mm below the ground level including hauling of material in all leads and lifts by all modes of transportation.					
19.	Providing and erecting cautionary, sign boards of retro reflectorised sign as per IRC: 67 made of high intensity grade sheeting vide clause 801.3 fixed over aluminum sheeting, 2mm thick of 600mm x 600mm x 600mm triangular supported on a mild steel single angle iron posts 65x65x6mm 3.50 meter long. This vertical post be firmly embedded in a length of 300mm in concrete block of grade M-15 having nominal mix 1:2:4 with 20mm aggregate and of size 450x450x600mm wherein the CC block will be 600mm below the ground level and as per Clause 801 of MORT&H Specification (latest edition) including hauling of material in all leads and lifts by all modes of transportation. The aluminum sheeting shall be provided with duly painted 25x25x3mm angle iron frame along its periphery.	6 Nos	Each			
20.	Providing and erecting mandatory and sign boards of retro reflectorised sign as per IRC: 67 made of high intensity grade sheeting vide clause 801.3 fixed over aluminum sheeting, 1.5mm thick of 600mm circular supported on a mild steel single angle iron posts 65x65x6mm 3.50 mtr. Long. This vertical post be firmly embedded in a length of 300mm in concrete block of grade M-15 having nominal mix 1:2:4 with 20mm aggregate and of size 450x450x600mm wherein the CC block will be 600mm below the ground level and as per Clause 801 of MORT&H Specification (latest edition) including hauling of material	20 Nos	Each			

	in all leads and lifts by all modes of transportation. The aluminum sheeting shall be provided with duly painted 25x25x3mm angle iron frame along its periphery.					
	<b>(b)Environment Management Measures</b>					
21.	Collection of trees seedling from nurseries in all leads and lift and as per the entire satisfaction and direction of Engineer-in-charge. (Avenue plantation and group plantation)	1200 Nos.	Each			
22.	Road side tree planting containerized tree and shrub seedling including pitting transporting composting and mulching on slopes in between 45 to 60 degree. Pit size 30cm dia meter × 30cm depth, mixed composite with soil, labours and transportation to the site in all leads and lift and as per the entire satisfaction and direction of Engineer-in-charge. (Brush layering and hedge layering)	1200 Nos.	Each			
23.	Site preparation for fascines laying earth work in excavations of trench to 20cm. Depth.	70 Nos.	Rmt.			
24.	Laying of live fascines using live hard wood cutting of selected species (eg. Assuro, Namdi, Phul, Saruwa and Smali) of minimum one meter length placed in bundles to give 4 running metere of cutting per metere of fascine i/c back filling of trench and careful compaction	2800 Nos.	Rmt.			
25.	Preparation and planting of live pegs of selected species (eg. Assuro, Namdi, Phul, Saruwa and simali) of minimum 1.0 metre length of 0.50 metre depth into hard ground, pegs spaced at 5.0 cm centre within rows, but 5.0 cm centre within rows, but 5.0-20.0 cm between rows and inter-woven with vegetation.	7400 Nos.	Rmt.			
26	Dressing the ground i/c cutting and filling up to 15cm (a) Spade 50% + pick work 50%	1050 Sqm.	Sqmt.			
26.	Collection of hardwood cutting for planting material from sources within 1 km of road. Material to be approximately 1 mt length and minimum 5 cm in diameter.	21000.00	Per 100 Nos.			
	<b>(C)Routine Maintenance Works</b>					
28	Routine maintenance of activities as per annexure Schedule 3 shall be the responsibility of the contractor and the cost of routine maintenance for the entire contract duration (including extension, if	52.00	Per km per year			

	any plus 365 days i.e. Defect Liability Period) would be carried out as per the entire satisfaction and direction of engineer-in-charge.					
29	Traffic Management during execution as per Clause 112 of MORTH Specification	Job	NO			
	Total Bid Price (in figures)					

**Executive Engineer**  
HPPWD, Chopal Division

**Superintending Engineer**  
12th Circle HPPWD Rohru

**Chief Engineer**  
South Zone, HPPWD,  
Nirman Bhawan, Shimla

- (1) Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the **Bill of Quantities** (refer: ITB Clause 13.2 and GCC Clause 43.3).
- (2) Unit rates and prices shall be quoted by the bidder in Indian rupee [ITB Clause 14.1].
- (3) Where there is a discrepancy between the rate in figures and words, the rates in words will govern. [ITB Clause 27.1 (a)]
- (4) Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by quantity, the unit rate quoted shall govern [ITB Clause 27.1 (b)].

## SCHEDULE 2

## Detail of Bio- Engineering Measures

### SCHEDULE 3

**Periodicity of Routine Maintenance Activities**

<b>Sr. No.</b>	<b>Name of Item</b>	<b>Frequency of operations in the year</b>
<b>Routine Maintenance Activities for Civil works</b>		
1	Clearing of road side gutters/drains	Twice & as and when required
2	Pot hole filling (WBM & BT)	Make road pot holes free immediately after rains and quarterly
3	Filling up edges of bituminous surface and replenishing of material on earthen /hard shoulders	(a) Single lane - Twice (b) Intermediate/Double lane - Four times
4	Dressing of berms	Immediately before & after rains & once in between
5	White washing guard stones	Twice
6	Fixing disturbed caution board / Village Name board / Speed limit board, etc.	Once in a year & as and when required
7	Re-fixing displaced guard stones	Once in a year & as and when required
8	White washing and <i>Geroo</i> painting of trunks of trees	Once
9	Pruning of shrubs etc	Once
10	Maintenance of catch water drains	Once in a year & as and when required
11	Clearance of C.D. works	Twice i.e. before and after rains
12	Clearing of wild seasonal growth on berms and road side structures	Twice i.e. after rains and during spring
13	White washing parapets of C.D. Works	Thrice
14	Earth work in berms, de-silting of drains etc.	Before & after rains and once in between.
15	Sealing of crackes	After rains and quarterly
<b>Routine Maintenance Activities for Bio-Engineering works</b>		
16	Watering	Twice in a month and as and when required
17	Weeding, hoeing and preparation of basins of plants	Once in three months
18	Trimming and pruning	As and when required
19	Protection from insect-pest & diseases	Immediately after the appearance of insect pest attack
20	Replacement of damaged plants	Immediately after the mortality of the plant
21	Maintenance of barbed wire fencing and ballies	As and when required
22	Clearance of wild seasonal growth around the plantation	Twice i.e. after rains and during spring
23	Re-fixing of displaced tree guards	As and when required

## **SECTION 8: FORMS OF SECURITIES**

## Forms of Securities

Acceptable forms of securities are annexed. Bidders should not complete the Performance and Advance Payment Security forms at this time. Only the successful Bidder will be required to provide Performance and Advance Payment Securities in accordance with one of the forms, or in a similar form acceptable to the Employer.

<b>Annex A:</b>	Bid Security (Bank Guarantee)
<b>Annex B:</b>	Performance Bank Guarantee
<b>Annex B:</b>	Performance Bank Guarantee for Unbalanced Items
<b>Annex C:</b>	Deleted
<b>Annex D:</b>	Bank Guarantee for Advance Payment

**BID SECURITY (BANK GUARANTEE)**

WHEREAS, \_\_\_\_\_ [name of Bidder] (hereinafter called "the Bidder") has submitted his Bid dated \_\_\_\_\_ [date] for the construction of \_\_\_\_\_ [name of Contract] (hereinafter called "the Bid").

KNOW ALL PEOPLE by these presents that We \_\_\_\_\_ [name of bank] of \_\_\_\_\_ [name of country] having our registered office at \_\_\_\_\_ (hereinafter called "the Bank") are bound unto \_\_\_\_\_ [name of Employer] (hereinafter called "the Employer") in the sum of \_\_\_\_\_<sup>1</sup> for which payment well and truly to be made to the said Employer the Bank binds itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this \_\_\_\_\_ day of \_\_\_\_\_ 2009\_\_\_\_\_.

THE CONDITIONS of this obligation are:

- (1) If after Bid opening the Bidder withdraws his bid during the period of Bid validity specified in the Form of Bid;
- or
- (2) If the Bidder having been notified of the acceptance of his bid by the Employer during the period of Bid validity:
- (a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to Bidders, if required; or
  - (b) fails or refuses to furnish the Performance Security, in accordance with the Instruction to Bidders; or
  - (c) does not accept the correction of the Bid Price pursuant to Clause 27;

we undertake to pay to the Employer up to the above amount upon receipt of his first written demand, without the Employer having to substantiate his demand, provided that in his demand the Employer will note that the amount claimed by him is due to him owing to the occurrence of one or any of the three conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date 45 days after the deadline for submission of Bids as such deadline is stated in the Instructions to Bidders or as it may be extended by the Employer, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this guarantee should reach the Bank not later than the above date.

DATE \_\_\_\_\_ SIGNATURE OF THE BANK \_\_\_\_\_

WITNESS \_\_\_\_\_ SEAL \_\_\_\_\_

\_\_\_\_\_  
[signature, name, and address]

- 1 The Bidder should insert the amount of the guarantee in words and figures denominated in Indian Rupees. This figure should be the same as shown in Clause 16.1 of the Instructions to Bidders.
- 2 45 days after the end of the validity period of the Bid.

## PERFORMANCE BANK GUARANTEE

To: \_\_\_\_\_ *[name of Employer]*  
 \_\_\_\_\_ *[address of Employer]*

WHEREAS \_\_\_\_\_ *[name and address of Contractor]* (hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. \_\_\_\_\_ dated \_\_\_\_\_ to execute \_\_\_\_\_ *[name of Contract and brief description of Works]* (hereinafter called "the Contract");

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of \_\_\_\_\_ *[amount of guarantee]*  
 \_\_\_\_\_ *[in words]*, such sum being payable in the types and proportions of currencies in which the Contract Price is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of \_\_\_\_\_  
 \_\_\_\_\_ *[amount of guarantee]*<sup>1</sup> as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed thereunder or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until 28 days from the date of expiry of the Defects Liability Period.

Signature and seal of the guarantor \_\_\_\_\_

Name of Bank \_\_\_\_\_

Address \_\_\_\_\_

Date \_\_\_\_\_

<sup>1</sup> An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract, if any and denominated in Indian Rupees.

**PERFORMANCE BANK GUARANTEE (for unbalanced items)**

To: \_\_\_\_\_ [name of Employer]  
\_\_\_\_\_ [address of Employer]

WHEREAS \_\_\_\_\_ [name and address of Contractor] (hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. \_\_\_\_\_ dated \_\_\_\_\_ to execute [name of Contract and brief description of Works] (hereinafter called "the Contract")

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Architect such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of \_\_\_\_\_ [amount of guarantee] 1 \_\_\_\_\_ [in words], such sum being payable in the types and proportions of currencies in which the Contract Price is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of \_\_\_\_\_ [amount of guarantee] 1 as aforesaid, without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until ..... (i.e.) 28 days from the date of issue of the certificate of completion of works.

Signature and Seal of the Guarantor \_\_\_\_\_  
Name of Bank \_\_\_\_\_  
Address \_\_\_\_\_  
Date \_\_\_\_\_

1 An amount shall be inserted by the Guarantor, representing additional security for unbalanced Bids, if any and denominated in Indian Rupees

## BANK GUARANTEE FOR ADVANCE PAYMENT

To: \_\_\_\_\_ [name of Employer]  
 \_\_\_\_\_ [address of Employer]  
 \_\_\_\_\_ [name of Contract]

Gentlemen:

In accordance with the provisions of the Conditions of Contract, sub clause 51.1 ("Advance Payment") of the above-mentioned Contract, \_\_\_\_\_ [name and address of Contractor] (hereinafter called "the Contractor") shall deposit with \_\_\_\_\_ [name of Employer] a bank guarantee to guarantee his proper and faithful performance under the said Clause of the Contract in an amount of \_\_\_\_\_ [amount of guarantee]<sup>1</sup> \_\_\_\_\_ [in words].

We, the \_\_\_\_\_ [bank or financial institution], as instructed by the Contractor, agree unconditionally and irrevocably to guarantee as primary obligator and not as Surety merely, the payment to \_\_\_\_\_ [name of Employer] on his first demand without whatsoever right of objection on our part and without his first claim to the Contractor, in the amount not exceeding \_\_\_\_\_ [amount of guarantee]<sup>1</sup> \_\_\_\_\_ [in words].

We further agree that no change or addition to or other modification of the terms of the Contract or of Works to be performed thereunder or of any of the Contract documents which may be made between \_\_\_\_\_ [name of Employer] and the Contractor, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall remain valid and in full effect from the date of the advance payment under the Contract until \_\_\_\_\_ [name of Employer] receives full repayment of the same amount from the Contractor.

Yours truly,

Signature and seal: \_\_\_\_\_  
 Name of Bank/Financial Institution: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Date: \_\_\_\_\_

<sup>1</sup> An amount shall be inserted by the bank representing the amount of the Advance Payment, and denominated in Indian Rupees.